

AUTHOR INDEX

A

- Abbott, David A., and James A. Turner; Some aspects of GaAs MESFET reliability; *T-MTT v24 n6 Jun 76* 317-321 (1D01)
- Abdallah, Esmat A. F., see El-Shandwily, M. Ezzat; *T-MTT v21 n6 Jun 73* 392-403 (1D02)
- Abdallah, Esmat A. F., see El-Shandwily, M. E.; *T-MTT v22 n1 Jan 74* 57-60 (1E03)
- Abdallah, Esmat A. F., see El-Shandwily, M. Ezzat; *T-MTT v25 n9 Sep 77* 784-793 (1E12)
- Abdallah, Esmat A. F., see El-Shandwily, M. Ezzat; *T-MTT v25 n9 Sep 77* 794-803 (1F08)
- Abdel-Malek, Hany L., see Bandler, John W.; *T-MTT v26 n12 Dec 78* 963-972 (1C13)
- Abdullah, Faruq, and F. Michael Clayton; A large-signal theory for broad-band frequency converters using abrupt junction varactor diodes; *T-MTT v25 n2 Feb 77* 127-136 (1D05)
- Abe, Hiroyuki, see Matsumura, Masakiyo; *T-MTT v18 n11 Nov 70* 975-977
- Abe, Hiroyuki, Yoichiro Takayama, Asamitsu Higashisaka, and Hideo Takamizawa; A highly-stabilized low-noise GaAs FET integrated oscillator with a dielectric resonator in the C band; *T-MTT v26 n3 Mar 78* 156-162 (1B08)
- Abe, Hiroyuki, and Yoichi Aono; 11-GHz GaAs power MESFET load-pull measurements utilizing a new method of determining tuner Y parameters; *T-MTT v27 n5 May 79* 394-399 (1C04)
- Abele, Thomas A., and Han-Chiu Wang; An adjustable narrow band microwave delay equalizer; *T-MTT v15 n10 Oct 67* 566-574
- Abele, Thomas A., D. A. Alsberg, and P. T. Hutchison; A high-capacity digital communication system using TE₀₁ transmission in circular waveguide; *T-MTT v23 n4 Apr 75* 326-333 (1A04)
- Abouzahra, Mohamad Deeb, and Leonard Lewin; Radiation from microstrip discontinuities; *T-MTT v27 n8 Aug 79* 722-723 (1A08)
- Abouzahra, Mohamad Deeb, and Leonard Lewin; Coupling of degenerate modes on curved dielectric slab sections and application to directional couplers; *T-MTT v28 n10 Oct 80* 1096-1101
- Abulela, M. F., see Gledhill, C. S.; *T-MTT v20 n4 Apr 72* 289-290 (1E11)
- Abulela, M. F., see Gledhill, C. S.; *T-MTT v22 n1 Jan 74* 43-48 (1D03)
- Acevedo, John, see Larsen, Lawrence E.; *T-MTT v22 n4 Apr 74* 438-444 (2B14)
- Acevedo, John, see Larsen, Lawrence E.; *T-MTT v22 n10 Oct 74* 884-887 (1C10)
- Adachi, S., and Y. Mushiaki; Surface wave on a perfectly conducting plane covered with magnetoplasma (Corresp.); *T-MTT v12 n5 Sep 64* 569-570
- Adachi, Saburo, and Edward M. Kennaugh; The analysis of a broad-band circular polarizer including interface reflections; *T-MTT v8 n5 Sep 60* 520-525
- Adair, James E., and George I. Haddad; Coupled-mode analysis on nonuniform coupled transmission lines; *T-MTT v17 n10 Oct 69* 746-752
- Adam, B., see Schötzau, H. J.; *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Adam, B., U. Zimmermann, H. J. Schötzau, and F. Kneubühl; Construction and performance of a transversely excited 337 micrometer-HCN laser (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Adam, Stephen F.; Editor's overview; *T-MTT v23 n12 Dec 75* 942 (1A04)
- Adam, Stephen F.; The 1975 International Microwave Symposium; *T-MTT v23 n12 Dec 75* 943-947 (1A05)
- Adam, Stephen F., George R. Kirkpatrick, Norbert J. Sladek, and Saverio T. Bruno; A new 34-GHz 3.5-mm low-cost utility coaxial connector featuring low leakage, low standing-wave ratio, and long life (Short p.); *T-MTT v24 n12 Dec 76* 995-997 (2B10)
- Adams, A. T., see Farrar, Andrew; *T-MTT v19 n5 May 71* 495-497. Correction, *Apr 74* 294 (2C09)
- Adams, A. T., see Farrar, Andrew; *T-MTT v22 n10 Oct 74* 889-891 (1D01)
- Adams, Arlon T., see Farrar, Andrew; *T-MTT v18 n1 Jan 70* 65-66
- Adams, Arlon T., see Farrar, Andrew; *T-MTT v24 n7 Jul 76* 456-460 (2A01)
- Adams, Arlon Taylor, see Farrar, Andrew; *T-MTT v20 n8 Aug 72* 497-504 (1B07)
- Adams, Arlon Taylor, see Farrar, Andrew; *T-MTT v21 n7 Jul 73* 494-496 (2C01)
- Adams, David K.; An analysis of four-frequency nonlinear reactance circuits; *T-MTT v8 n3 May 60* 274-283
- Adams, David K., and Raymond Y. C. Ho; Active filters for UHF and microwave frequencies; *T-MTT v17 n9 Sep 69* 662-670
- Adams, J. W., and R. F. Desch; Experimental confirmation of barretter substitution error (Corresp.); *T-MTT v16 n3 Mar 68* 201-202
- Adams, John W., and Stephen Jarvis Jr.; Current distribution in barretters and its application to microwave power measurements; *T-MTT v17 n10 Oct 69* 778-785
- Adde, R., see Vernet, G.; *T-MTT v25 n6 Jun 77* 473-476 (1B07)
- Adelseck, Bernd, see Itoh, Tatsuo; *T-MTT v22 n12 Dec 80* 1433-1436
- Aden, A. L.; Foreword; *T-MTT v7 n1 Jan 59* 5
- Aditya, Sheel, see Arora, Rajendra K.; *T-MTT v25 n1 Jan 77* 71-72 (1F03)
- Aditya, Sheel, and Rajendra K. Arora; Guided waves on a planar helix; *T-MTT v27 n10 Oct 79* 860-863 (1C10)
- Aditya, Sheel, and Rajendra K. Arora; Nonreciprocal dispersion characteristics of a planar helix on magnetized ferrite slabs; *T-MTT v27 n10 Oct 79* 864-868 (1C14)
- Adkins, Larry R., and A. James Hughes; Elastic surface waves guided by thin films: Gold on fused quartz; *T-MTT v17 n11 Nov 69* 904-911
- Adlerstein, M. G., see Wallace, R. N.; *T-MTT v24 n7 Jul 76* 483-485 (2B14)
- Affolter, Peter, and Baldur Eliasson; Electromagnetic resonances and Q-factors of lossy dielectric spheres; *T-MTT v21 n9 Sep 73* 573-578 (1B03)
- Afsar, M. N., see Chamberlain, John; *T-MTT v22 n12 Dec 74* 1028-1032 (1D08)
- Afsar, M. N., D. D. Honijik, W. F. Passchier, and J. Goulon; Dispersive Fourier transform spectrometry with variable-thickness variable-temperature liquid cells; *T-MTT v25 n6 Jun 77* 505-508 (1D11)
- Afsar, M. N., and G. W. Chantry; Precise dielectric measurements of low-loss materials at millimeter and submillimeter wavelengths; *T-MTT v25 n6 Jun 77* 509-511 (1E01)
- Agarwal, K. K., and E. R. Nagelberg; Phase characteristics of a circularly symmetric dual-mode transducer (Corresp.); *T-MTT v18 n1 Jan 70* 69-71
- Aggarwal, R. L., N. Lee, and B. Lax; Far infrared generation by noncollinear difference frequency mixing (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1117 (2C14)
- Agrawal, A. K.; Dispersion in n coupled microstrip meanders (Short p.); *T-MTT v28 n8 Aug 80* 927-932
- Agrawal, Bishan S., see Bahar, Ezekiel; *T-MTT v27 n4 Apr 79* 345-352 (1D13)
- Agrawal, Bishan S., and Ezekiel Bahar; Waveguide modes in inhomogeneous media (Computer program descr.); *T-MTT v28 n3 Mar 80* 273-274
- Agrawal, Lal Ji, S. C. Gupta, and N. K. Agrawal; A wide-band parametric amplifier with triple-tuned signal circuit and single-tuned idler circuit (Ltr.); *T-MTT v24 n3 Mar 76* 160-161 (1C06)
- Agrawal, N. K., see Agrawal, Lal Ji; *T-MTT v24 n3 Mar 76* 160-161 (1C06)
- Agrios, John P., see Stern, Richard A.; *T-MTT v16 n12 Dec 68* 1034-1037
- Agrios, John P., see Mariani, Elio A.; *T-MTT v17 n12 Dec 69* 1091-1096
- Agrios, John P., see Mariani, Elio A.; *T-MTT v18 n12 Dec 70* 1089-1095
- Ahmadpanah, Majid, see Crampagne, Raymond; *T-MTT v26 n2 Feb 78* 82-87 (1C08)
- Ah Sam, E., and Y. Klinger; Propagation in cylindrical waveguide containing inhomogeneous dielectric (Corresp.); *T-MTT v15 n1 Jan 67* 60-61
- Comments, *T-MTT v15 n8 Aug 67* 488-489
- Alkawa, Masayoshi, see Ogawa, Hiroyo; *T-MTT v28 n3 Mar 80* 180-185
- Alkawa, Masayoshi, and Hiroyo Ogawa; New MIC magic-T using coupled slot lines; *T-MTT v28 n6 Jun 80* 523-528
- Aitchison, C. S., R. Davies, and C. D. Payne; Bandwidth of a balanced micropill-diode parametric amplifier (Corresp.); *T-MTT v16 n1 Jan 68* 46-47
- Aitchison, C. S., and R. Davies; Gunn-effect power limiter (Corresp.); *T-MTT v20 n2 Feb 72* 181-182 (2E03)
- Aitchison, Colin S., Robert Davies, and Peter J. Gibson; A simple diode parametric amplifier design for use at S, C, and X band; *T-MTT v15 n1 Jan 67* 22-31
- Aitchison, Colin S., Robert Davies, Ian David Higgins, Stuart R. Longley, Barrie Hulme Newton, John F. Wells, and John Charles Williams; Lumped-circuit elements at microwave frequencies; *T-MTT v19 n12 Dec 71* 928-937 (1D12)
- Aitchison, Colin S., see Bains, Amarjit S.; *T-MTT v27 n1 Jan 79* 17-23 (1B05)
- Aitchison, Colin S., see Chapman, Adrian G.; *T-MTT v28 n2 Feb 80* 130-136
- Aitchison, Colin S., and A. Wong; A VHF hybrid parametric amplifier; *T-MTT v28 n8 Aug 80* 825-832
- Aitchison, Colin S., and A. Wong; The hybrid parametric amplifier; *T-MTT v28 n8 Aug 80* 833-839
- Aitchison, R. E.; A high-capacitance parametric diode for use at low frequencies (Corresp.); *T-MTT v10 n1 Jan 62* 91
- Aitken, F. M., see Helszajn, Joseph; *T-MTT v19 n10 Oct 71* 825-826 (1D11)
- Aitken, J. E., P. H. Ladbroke, and M. H. N. Potok; Microwave measurement of the temperature coefficient of permittivity for sapphire and alumina (Short p.); *T-MTT v23 n6 Jun 75* 526-529 (1E12)
- Aitken, James E., see Owens, Roger P.; *T-MTT v24 n8 Aug 76* 499-505 (1A11)
- Akaike, M., H. Kato, and S. Yuki; Oscillation characteristics of millimeter-wave IMPATT diodes mounted in low-impedance waveguide mounts (Short p.); *T-MTT v24 n3 Mar 76* 147-151 (1B07)
- Akaike, Masami, see Kanmuri, Noboru; *T-MTT v22 n12 Dec 74* 1286-1290 (5A06)
- Akaike, Masami, Haruhiko Kato, and Noboru Kanmuri; Highly reliable high-power 86-GHz components and transmitter-receiver modules; *T-MTT v24 n11 Nov 76* 693-701 (1A13)
- Akaike, Masami, and Kazuhito Ohnishi; A nonlinear analysis of Schottky-barrier diode upconverters; *T-MTT v25 n12 Dec 77* 1059-1064 (2A05)
- Akaike, Masami, see Kawasaki, Ryoji; *T-MTT v26 n6 Jun 78* 425-427 (1D05)
- Akaiwa, Yoshihiko, see Katoh, Motonobu; *T-MTT v19 n7 Jul 71* 634-637 (2C01)
- Akaiwa, Yoshihiko, see Nagano, Shigemichi; *T-MTT v19 n12 Dec 71* 906-910 (1C02)
- Akaiwa, Yoshihiko; Operation modes of a waveguide Y-circulator (Short p.); *T-MTT v22 n11 Nov 74* 954-960 (1D02). Correction, *T-MTT v27 n7 Jul 79* 709 (1F13)
- Akaiwa, Yoshihiko; Bandwidth enlargement of a millimeter-wave Y circulator with half-wavelength line resonators (Short p.); *T-MTT v22 n12 Dec 74* 1283-1286 (5A03)
- Akaiwa, Yoshihiko, see Matsuo, Yoshio; *T-MTT v24 n11 Nov 76* 794-797 (2B13)
- Akaiwa, Yoshihiko; Mode classification of a triangular ferrite post for Y circulator operation (Short p.); *T-MTT v25 n1 Jan 77* 59-61 (1E05)
- Akaiwa, Yoshihiko; Mode classification of a triangular ferrite post for Y-circulator operation (Short p.); *T-MTT v25 n1 Jan 77* 59-61 (1E05). Correction, *T-MTT v27 n7 Jul 79* 709 (1F13)
- Akamatsu, Toshihiko, see Yamashita, Eikichi; *T-MTT v22 n4 Apr 74* 462-464 (2D10)
- Akello, Robert J., Brian Easter, and I. M. Stephenson; Experimental measurement of microstrip transistor-package parasitic reactances; *T-MTT v25 n5 May 77* 367-372 (1B13)
- Comments, *T-MTT v26 n1 Jan 78* 43 (1D03)
- Akhatarzad, Sina, Thomas R. Rowbotham, and Peter B. Johns; The design of coupled microstrip lines; *T-MTT v23 n6 Jun 75* 486-492 (1B14)
- Akhatarzad, Sina, and Peter B. Johns; Three-dimensional transmission-line matrix computer analysis of microstrip resonators; *T-MTT v23 n12 Dec 75* 990-997 (1D10)
- Akhatarzad, Sina, and Peter B. Johns; TLMRES—The TLM computer program for the analysis of microstrip resonators (Computer program descr.); *T-MTT v24 n10 Oct 76* 681 (1D11)
- Akiyama, Michio, see Kitayama, Kenichi; *T-MTT v28 n6 Jun 80* 604-608
- Al-Ani, A. Hag, Alexander L. Cullen, and John R. Forrest; A phase-locking method for beam steering in active array antennas; *T-MTT v22 n6 Jun 74* 698-703 (2B10)
- Albanese, Victor J., and William P. Peyser; An analysis of a broad-band coaxial hybrid ring; *T-MTT v6 n4 Oct 58* 369-373
- Albanese, Victor J., and Donald Kerbs; A high-power switching network for a dual mode antenna; *T-MTT v26 n5 May 78* 348-354 (1C02)
- Albani, M., and P. Bernardi; Anomalous convergence of iterative methods in the numerical solution of electromagnetic problems (Short p.); *T-MTT v20 n9 Sep 72* 630-631 (2C05)
- Albani, M., and P. Bernardi; A numerical method based on the discretization of Maxwell equations in integral form (Short p.); *T-MTT v22 n4 Apr 74* 446-450 (2C08)

- Albrey, I. J., and M. W. Gunn; Reduction of the attenuation constant of microstrip (Short p.); *T-MTT* v22 n7 Jul 74 739-742 (1C05)
- Alday, J. R.; A high isolation/high speed microwave modulator (Corresp.); *T-MTT* v12 n6 Nov 64 622
- Alday, J. R., G. E. Everett, and David J. White; Improved response of pyroelectric millimeter wave detectors (Corresp.); *T-MTT* v14 n2 Feb 66 100
- Alday, John R.; A simple method for measuring the phase shift and attenuation through active microwave networks (Corresp.); *T-MTT* v10 n2 Mar 62 143
- Alexander, Philip H., and Peter J. Khan; Wide-band characteristics of a coaxial-cavity solid-state device mount (Short p.); *T-MTT* v23 n10 Oct 75 831-833 (1D11)
- Alexopoulos, N. G., and M. E. Armstrong; Two-mode waveguide for equal mode velocities: Correction (Ltr.); *T-MTT* v21 n3 Mar 73 157-158 (1E03)
- Alexopoulos, Nicolaos G., and Clifford M. Krowne; Characteristics of single and coupled microstrips on anisotropic substrates; *T-MTT* v26 n6 Jun 78 387-393 (1A09)
- Alexopoulos, Nicolaos G., see Kerner, Stephen R.; *T-MTT* v28 n1 Jan 80 18-24
- Alexopoulos, Nicolaos G., John A. Maupin, and Paul T. Greiling; Determination of the electrode capacitance matrix for GaAs FET's; *T-MTT* v28 n5 May 80 459-466
- Al-Hariri, Ali M. B., see Lewin, Leonard; *T-MTT* v22 n5 May 74 504-509 (1B12)
- Allen, C. M., see Okean, Herman C.; *T-MTT* v19 n5 May 71 491-493 (2C05)
- Allen, C. W., and H. L. Krauss; A wide-band rotating coupler for VHF use (Short p.); *T-MTT* v24 n5 May 76 267-269 (1C05)
- Allen, D. E., see Hickernell, F. S.; *T-MTT* v21 n4 Apr 73 300-302 (3D05)
- Allen, E. L., Jr., see Rosen, A.; *T-MTT* v23 n10 Oct 75 841-843 (1E07)
- Allen, J. Lamar, and Donald R. Taft; Ferrite elements for hybrid microwave integrated systems; *T-MTT* v16 n7 Jul 68 405-411
- Allen, James L., see Rodrigue, George P.; *T-MTT* v15 n12 Dec 67 709-713
- Allen, James L., see Robinson, Gerald H.; *T-MTT* v17 n12 Dec 69 1097-1101
- Allen, James L.; A compact subsidiary-resonance limiter (Corresp.); *T-MTT* v20 n2 Feb 72 193-194 (2F03)
- Allen, James L., and Marvin F. Estes; Broadside-coupled strips in a layered dielectric medium; *T-MTT* v20 n10 Oct 72 662-669. Correction, Sep 75 779 (1D06)
- Allen, James L.; Phase and loss characteristics of high average power ferrite phasers (Short p.); *T-MTT* v21 n8 Aug 73 543-544 (2B01)
- Allen, James L.; Inhomogeneous coupled-line filters with large mode-velocity ratios; *T-MTT* v22 n12 Dec 74 1182-1186 (3E08)
- Allen, James L.; Time-domain analysis of lumped-distributed networks; *T-MTT* v27 n11 Nov 79 890-896 (1B06)
- Allen, James Lamar; Comments from the editor; *T-MTT* v26 n1 Jan 78 2 (1A04)
- Allen, James Lamar, see Medley, Max W., Jr.; *T-MTT* v27 n9 Sep 79 784-788 (1B04)
- Allen, John L.; The 1973 S-MTT National Lectureship; *T-MTT* v21 n12 Dec 73 752 (1B09)
- Allen, Matthew A., and Gordon S. Kino; On the theory of strongly coupled cavity chains; *T-MTT* v8 n3 May 60 362-372
Comments, *T-MTT* v8 n6 Nov 60 669-671
- Allen, P. J.; A four-component polarization resolver (Corresp.); *T-MTT* v10 n3 May 62 220
- Allen, Philip J.; The turnstile circulator; *T-MTT* v4 n4 Oct 56 223-227
- Allen, S. J., see Peech, J.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Alley, Gary D.; Interdigital capacitors and their application to lumped-element microwave integrated circuits; *T-MTT* v18 n12 Dec 70 1028-1033
- Alley, Gary D., and H. C. Wang; An ultra-low noise microwave synthesizer; *T-MTT* v27 n12 Dec 79 969-974 (1D03)
- Allis, John W., see Hollis, Mark A.; *T-MTT* v28 n7 Jul 80 791-801
- Allis, William P.; Propagation of waves in a plasma in a magnetic field; *T-MTT* v9 n1 Jan 61 79-82
- Allison, Richard; Silicon bipolar microwave power transistors; *T-MTT* v27 n5 May 79 415-422 (1D11)
- Alpert, Y., see Tuchendler, J.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Alsberg, D. A., see Abele, Thomas A.; *T-MTT* v23 n4 Apr 75 326-333 (1A04)
- Alseyab, Saod A., see Rhodes, John David; *T-MTT* v28 n3 Mar 80 246-253
- Alsop, James M., see Squire, William D.; *T-MTT* v17 n11 Nov 69 1020-1040
- Altman, Frederick J., Richard E. Gray, Armig G. Kandoian, and William Sichak; 900-mc PTM over-the-horizon radio link; *T-MTT* v3 n6 Dec 55 22-26
- Altman, Jerome L.; A technique for stabilizing microwave oscillators; *T-MTT* v2 n2 Jul 54 16-25
- Altschuler, H. M.; Comment on 'A simple method for measuring the phase shift and attenuation through active microwave networks'; *T-MTT* v11 n1 Jan 63 87
- Altschuler, Helmut M.; A method of measuring dissipative four-poles based on a modified Wheeler network; *T-MTT* v3 n1 Jan 55 30-36
- Altschuler, Helmut M., and A. A. Oliner; A shunt technique for microwave measurements; *T-MTT* v3 n4 Jul 55 24-30
- Altschuler, Helmut M., and Walter K. Kahn; Nonreciprocal two-ports represented by modified Wheeler networks; *T-MTT* v4 n4 Oct 56 228-233
- Altschuler, Helmut M., and Leonard O. Goldstone; On network representations of certain obstacles in waveguide regions; *T-MTT* v7 n2 Apr 59 213-221
- Altschuler, Helmut M., and A. A. Oliner; Discontinuities in the center conductor of symmetric strip transmission line; *T-MTT* v8 n3 May 60 328-339. Addendum, Mar 62 143
Comments, *T-MTT* v11 n1 Jan 63 87
- Altschuler, Helmut M.; The interchange of source and detector in low-power microwave network measurements; *T-MTT* v13 n1 Jan 65 84-90
- Altschuler, Helmut M.; Comments on 'An improved method for measuring scattering parameters of nonreciprocal two-ports'; *T-MTT* v16 n4 Apr 68 261-262
- Altschuler, Edward E.; A periodic structure of cylindrical posts in a rectangular waveguide; *T-MTT* v9 n5 Sep 61 398-402
- Alvarez, R., and J. P. Lindley; *Q* measurement of strongly coupled cavities (Corresp.); *T-MTT* v11 n1 Jan 63 89-90
- Alvarez, Richard, see Weaver, James; *T-MTT* v14 n12 Dec 66 623-629
- Amano, Akira, see Nishitani, Kazuo; *T-MTT* v25 n12 Dec 77 973-977 (1A11)
- Amity, Noach, and Henry Zucker; Attenuation due to ohmic losses in periodic dipole and slot arrays; *T-MTT* v20 n2 Feb 72 148-155 (2B06)
- Amity, N., and V. Galindo; On the scalar product of certain circular and Cartesian wave functions (Corresp.); *T-MTT* v16 n4 Apr 68 265-266
- Ammann, Eugene O., and Robert J. Morris; Tunable, dielectric-loaded microwave cavities capable of high *Q* and high filling factor; *T-MTT* v11 n6 Nov 63 528-542
- Ammann, Eugene O.; A broadband solid-state microwave maser operating at 77.4°K; *T-MTT* v13 n2 Mar 65 186-193
- Amoss, J. W., see Rucker, C. T.; *T-MTT* v25 n1 Jan 77 75-76 (1F07)
- Amoss, John W., Merle R. Donaldson, Louis J. Lavedan, A. L. Stanford, and John E. Pippin; A ferroelectric microwave switch; *T-MTT* v13 n6 Nov 65 789-793
- Amoss, John W., and Kurt E. Gsteiger; Frequency modulation of avalanche transit time oscillators; *T-MTT* v15 n12 Dec 67 742-747
- Amoss, John W., see Rucker, Charles T.; *T-MTT* v27 n12 Dec 79 951-957 (1B13)
- Ananasso, Fulvio; A low phase shift attenuator using p-i-n diodes switches; *T-MTT* v28 n7 Jul 80 774-776
- Anastassiou, A., and Max J. O. Strutt; Experimental gain and noise parameters of microwave GaAs FET's in the *L* and *S* bands (Short p.); *T-MTT* v21 n6 Jun 73 419-422 (2B08)
- Anastassiou, A., and Max J. O. Strutt; Experimental and computed four scattering and four noise parameters of GaAs FET's up to 4 GHz (Short p.); *T-MTT* v22 n2 Feb 74 138-140 (1E04)
- Ancker-Johnson, Betsy; A method for enhancing the performance of nonreciprocal microwave devices (Corresp.); *T-MTT* v7 n3 Jul 59 394-395
- Anders, P., and Fritz Arndt; Microstrip discontinuity capacitances and inductances for double steps, mitered bends with arbitrary angle and asymmetric right-angle bends; *T-MTT* v28 n11 Nov 80 1213-1217
- Andersen, J. Bach, and B. Majborn; Semiconductor rod in waveguide—Field distribution for positive and negative conductivity (Corresp.); *T-MTT* v16 n3 Mar 68 194-196
- Andersen, Jørgen Bach, Svend Berntsen, and Paul Dalsgaard; Propagation in rectangular waveguides with arbitrary internal and external media; *T-MTT* v23 n7 Jul 75 555-560 (1B03)
- Anderson, A. P.; High-frequency transistor evaluation by three-port scattering parameters (Corresp.); *T-MTT* v15 n4 Apr 67 263-265
- Anderson, Dean B., and Jerry C. Aukland; Transmission-phase relations of four-frequency parametric devices; *T-MTT* v9 n6 Nov 61 491-498
- Anderson, George E., see Samaras, George M.; *T-MTT* v19 n2 Feb 71 245-247 (3C02)
- Anderson, Lawrence K., and Archibald Hendry; An investigation of the properties of germanium mixer crystals at low temperatures; *T-MTT* v6 n4 Oct 58 393-398
- Anderson, Lawrence K.; An analysis of broadband circulators with external tuning elements; *T-MTT* v15 n1 Jan 67 42-47
- Anderson, Milo V., see Zimmerer, Robert W.; *T-MTT* v11 n2 Mar 63 142-150
- Anderson, Tore N.; Practical dielectric filled waveguide; *T-MTT* v3 n2 Mar 55 82-86
- Anderson, Tore N.; Double-ridge waveguide for commercial airlines weather radar installation; *T-MTT* v3 n4 Jul 55 2-9. Correction, Jan 56 54
- Anderson, Tore N.; Rectangular and ridge waveguide; *T-MTT* v4 n4 Oct 56 201-209. Correction, Jul 57 217
- Anderson, Tore N.; Miniature waveguide flanges unpressurized contact type (Corresp.); *T-MTT* v5 n2 Apr 57 162
- Anderson, Tore N.; Foreword; *T-MTT* v6 n1 Jan 58 4
- Anderson, Tore N.; Status report on international millimeter waveguide flange standards (Corresp.); *T-MTT* v11 n5 Sep 63 427-429
Comments, *T-MTT* v12 n5 Sep 64 552-553
- Anderson, William W., and M. E. Hines; Wide-band resonance isolator; *T-MTT* v9 n1 Jan 61 63-67
- Ando, Yasuhiro, see Masuda, Masamitsu; *T-MTT* v25 n9 Sep 77 773-776 (1E01)
- Andresen, H. G., see Welling, H.; *T-MTT* v12 n2 Mar 64 249-250
- Andrews, R. A., A. Fenner Milton, and Thomas G. Giallorenzi; Military applications of fiber optics and integrated optics; *T-MTT* v21 n12 Dec 73 763-769 (1C08)
- Angelakos, D. J.; A coaxial line filled with two non-concentric dielectrics; *T-MTT* v2 n2 Jul 54 39-44
- Angelakos, D. J.; Transverse electric field distributions in ferrite loaded waveguides (Corresp.); *T-MTT* v7 n3 Jul 59 390-391
- Angelakos, D. J.; An image line coupler (Corresp.); *T-MTT* v7 n3 Jul 59 391-392
- Anghel, Sever, see Giannini, Richard J.; *T-MTT* v19 n7 Jul 71 622-627 (2B01)
- Angley, R. J., see Pyle, John R.; *T-MTT* v12 n5 Sep 64 556-557
- Angulo, Carlos M.; Discontinuities in a rectangular waveguide partially filled with dielectric; *T-MTT* v5 n1 Jan 57 68-74
- Angulo, Carlos M.; Application of Rayleigh-Ritz method to dielectric steps in waveguides (Corresp.); *T-MTT* v5 n4 Oct 57 268
- Angulo, Carlos M., and William S. C. Chang; The excitation of a dielectric rod by a cylindrical waveguide; *T-MTT* v6 n4 Oct 58 389-393
- Antich, Peter P., N. Tokita, J. H. Kim, and E. W. Hahn; Selective heating of cutaneous human tumors at 27.12 MHz; *T-MTT* v26 n8 Aug 78 569-572 (1D13)
- Antinori, Albino, see Clara, José Maria; *T-MTT* v3 n6 Dec 55 7-12
- Anuff, Alfredo, see Hecken, Rudolph P.; *T-MTT* v21 n6 Jun 73 374-380 (1B08)
- Aoki, Yoshimasa; Proposed parametric amplifier utilizing ferroelectric substance (Corresp.); *T-MTT* v8 n4 Jul 60 465-466
- Aoki, Yoshinao, and Michio Suzuki; Imaging property of a gas lens; *T-MTT* v15 n1 Jan 67 2-8
- Aoki, Yoshinao, see Nagai, Keinosuke; *T-MTT* v21 n1 Jan 73 13-18 (1C03)
- Aono, Yoichi, see Abe, Hiroyuki; *T-MTT* v27 n5 May 79 394-399 (1C04)
- Arai, Yoichi, Tsutomu Kouno, Tetsuo Horimatsu, and Hidemitsu Komizo; A 6-GHz four-stage GaAs MESFET power amplifier (Short p.); *T-MTT* v24 n6 Jun 76 381-383 (2B01)
- Arain, Mohammad H., and Nicholas W. Spencer; Tapered asymmetric microstrip magic tee (Short p.); *T-MTT* v23 n12 Dec 75 1064-1067 (2C01)
- Araki, K., T. Koyama, and Y. Naito; A new type of isolator using the edge-guided mode (Ltr.); *T-MTT* v23 n3 Mar 75 321 (1D13)
- Araki, Kiyomichi, Tetsu Koyama, and Yoshiyuki Naito; Reflection problems in a ferrite stripline; *T-MTT* v24 n8 Aug 76 491-498 (1A03)
- Araki, Kiyomichi, and Yoshiyuki Naito; Upper bound calculations on capacitance of microstrip line using variational method and spectral domain approach; *T-MTT* v26 n7 Jul 78 506-509 (1D10)
Comments, *T-MTT* v28 n9 Sep 80 1034-1035
- Araki, Tohru, and Mashahiro Hirayama; A 20-GHz integrated balanced mixer; *T-MTT* v19 n7 Jul 71 638-643 (2C05)
- Arams, F. R., see Peyton, B. J.; *T-MTT* v16 n5 May 68 319-320
- Arams, Frank, Bernard Kaplan, and Bernard Peyton; Octave-bandwidth UHF/L-band circulator; *T-MTT* v9 n3 May 61 212-216
- Arams, Frank R.; Maser operation at signal frequencies higher than pump frequency; *T-MTT* v9 n1 Jan 61 68-72
- Archer, John W., Ernest M. Calocchia, and Rey Serna; An evaluation of the

- performance of the VLA circular waveguide system; *T-MTT* v28 n7 Jul 80 786-791
- Arditi, Maurice**; Characteristics and applications of microstrip for microwave wiring; *T-MTT* v3 n2 Mar 55 31-56
- Argentina, Gil M.**, and Paul D. Baba; Microwave lithium ferrites: An overview; *T-MTT* v22 n6 Jun 74 652-658 (1E10)
- Armstrong, B. Mervyn**, Robert Brown, Fred Rix, and J. A. Carson Stewart; Use of microstrip impedance measurement technique in the design of a BARITT diode Doppler sensor; *T-MTT* v28 n12 Dec 80 1437-1442
- Armstrong, Donald B.**, see Champlin, Keith S.; *T-MTT* v11 n1 Jan 63 73-77
- Armstrong, Donald B.**, see Champlin, Keith S.; *T-MTT* v15 n8 Aug 67 477-478
- Armstrong, M. E.**, see Alexopoulos, N. G.; *T-MTT* v21 n3 Mar 73 157-158 (1E03)
- Armstrong, Myron E.**, see DuHamel, Raymond H.; *T-MTT* v14 n6 Jun 66 264-274
- Arnaud, Jacques A.**, Adel A. M. Saleh, and Joseph T. Ruscio; Walk-off effects in Fabry-Perot diplexers; *T-MTT* v22 n5 May 74 486-493 (1A08)
- Arnaud, Jacques A.**, D. C. Hogg, and J. T. Ruscio; Focusing of 52-GHz beams by cylindrical mirrors (Short p.); *T-MTT* v20 n5 May 72 344-345 (1F03)
- Arnaud, Jacques A.**, and Joseph T. Ruscio; Guidance of 1000-GHz beams by cylindrical mirrors; *T-MTT* v23 n4 Apr 75 377-379 (1D13)
- Arnaud, Jacques A.**, and W. Mammel; Application of a property of the Airy function to fiber optics (Short p.); *T-MTT* v23 n11 Nov 75 927-929 (1F07)
- Arnaud, Jacques A.**; Comments on 'Radiation from curved dielectric slabs and fibers'; *T-MTT* v23 n11 Nov 75 935-936 (1G01)
- Arndt, Fritz**; High-pass transmission-line directional coupler (Corresp.); *T-MTT* v16 n5 May 68 310-311
- Arndt, Fritz**; Tables for asymmetric Chebyshev high-pass TEM-mode directional couplers; *T-MTT* v18 n9 Sep 70 633-638
- Arndt, Fritz**, and G. U. Paul; The reflection definition of the characteristic impedance of microstrips; *T-MTT* v27 n8 Aug 79 724-731 (1A08)
- Arndt, Fritz**, see Anders, P.; *T-MTT* v28 n11 Nov 80 1213-1217
- Arnett, Patrick C.**, and Dennis J. Herrrell; Power design for gigabit Josephson logic systems; *T-MTT* v28 n5 May 80 500-508
- Arnold, Christian**, see Gloanec, Maurice; *T-MTT* v28 n5 May 80 472-478
- Arnold, J. M.**, and Leopold B. Felsen; Rigorous evanescent wave theory for guided modes in graded index optical fibers; *T-MTT* v28 n9 Sep 80 996-999
- Arnold, R. M.**; Transmission line impedance matching using the Smith chart (Ltr.); *T-MTT* v22 n11 Nov 74 977-978 (1E11)
- Comments by Somlo, P. I.**, Aug 75 715
- Arnold, R. M.**; Transmission line impedance matching using the Smith chart (Ltr.); *T-MTT* v22 n11 Nov 74 977-978 (1E11)
- Comments, T-MTT v23 n8 Aug 75 715 (1B05)**
- Arnold, Richard M.**, and Fred J. Rosenbaum; Nonreciprocal wave propagation in semiconductor loaded waveguides in the presence of a transverse magnetic field; *T-MTT* v19 n1 Jan 71 57-65 (2B01)
- Arnold, Richard M.**, and Fred J. Rosenbaum; An approximate analysis of dielectric-ridge loaded waveguide (Short p.); *T-MTT* v20 n10 Oct 72 699-701 (2B11)
- Arnold, Robert P.**, William L. Bailey, and Rimantas L. Vaitkus; Normalized impedance graphs for exponential transmission lines (Short p.); *T-MTT* v22 n11 Nov 74 964-965 (1D12)
- Arnold, Sidney**, see Meier, Paul J.; *T-MTT* v13 n6 Nov 65 763-767
- Aronson, Irving**, Kalman Kalikstein, Chema J. Kleinman, and Larry Spruch; Variational bound principle for scattering of electromagnetic waves by obstacles in a waveguide; *T-MTT* v18 n10 Oct 70 725-731
- Arora, R. K.**, and S. Vijayaraghavan; Scattering of a shielded surface wave by a wall-impedance discontinuity (Corresp.); *T-MTT* v18 n10 Oct 70 734-736
- Arora, R. K.**, see Vijayaraghavan, S.; *T-MTT* v19 n8 Aug 71 736-739 (2B09)
- Arora, R. K.**, and V. P. Kodali; Submillimeter wave generation and amplification using optical pumping (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Arora, Rajendra K.**, Srinivasan Vijayaraghavan, and R. Madhavan; Modes of propagation in a coaxial waveguide with lossless reactive guiding surfaces; *T-MTT* v20 n3 Mar 72 210-214 (1B12)
- Comments by Waldron, R. A.**, Jan 73 61-62
- Arora, Rajendra K.**, Bharathi Bhat, and Sheel Aditya; Guided waves on a flattened sheath helix (Ltr.); *T-MTT* v25 n1 Jan 77 71-72 (1F03)
- Arora, Rajendra K.**, see Aditya, Sheel; *T-MTT* v27 n10 Oct 79 860-863 (1C10)
- Arora, Rajendra K.**, see Aditya, Sheel; *T-MTT* v27 n10 Oct 79 864-868 (1C14)
- Asano, Yasushi**, see Hayashi, Risao; *T-MTT* v27 n5 May 79 500-504 (2C13)
- Asfar, Omar Rafik**, and Ali Hasan Nayfeh; Circular waveguide with sinusoidally perturbed walls; *T-MTT* v23 n9 Sep 75 728-734 (1A10)
- Asfar, Omar Rafik**, and Ali Hasan Nayfeh; Stopbands of the first-order Bragg interaction in a parallel-plate waveguide having multiperiodic wall corrugations; *T-MTT* v28 n11 Nov 80 1187-1191
- Ash, Eric A.**, R. M. De La Rue, and R. F. Humphries; Microsound surface waveguides; *T-MTT* v17 n11 Nov 69 882-892
- Ash, Eric A.**, see Lagasse, Paul E.; *T-MTT* v21 n4 Apr 73 225-236 (2B10)
- Ashida, Hideo**, see Komizo, Hidemitsu; *T-MTT* v21 n11 Nov 73 721-728 (2C03)
- Ashiki, Mitsuo**, see Mizushima, Shizuo; *T-MTT* v28 n12 Dec 80 1428-1432
- Ashley, J. R.**, and C. B. Searles; Prediction and measurement of oscillator frequency modulation under random vibration (Corresp.); *T-MTT* v13 n6 Nov 65 869-870
- Ashley, J. Robert**, and Clifford B. Searles; Microwave oscillator noise reduction by a transmission stabilizing cavity; *T-MTT* v16 n9 Sep 68 743-748
- Ashley, J. Robert**, Clifford B. Searles, and Frank M. Palika; The measurement of oscillator noise at microwave frequencies; *T-MTT* v16 n9 Sep 68 753-760
- Ashley, J. Robert**, and Frank M. Palika; Improvement of a microwave discriminator by an injection phase-locked oscillator (Corresp.); *T-MTT* v18 n11 Nov 70 1001-1002
- Ashley, J. Robert**, Thomas A. Barley, and Gustaf J. Rast Jr.; The measurement of noise in microwave transmitters; *T-MTT* v25 n4 Apr 77 294-318 (1D14)
- Comments, T-MTT v27 n1 Jan 79 84-85 (1G02)**
- Ashley, J. Robert**, and F. M. Palika; A modulation method for the measurement of microwave oscillator Q (Corresp.); *T-MTT* v18 n11 Nov 70 1002-1004
- Aslan, Edward E.**; Electromagnetic radiation meter (Corresp.); *T-MTT* v19 n2 Feb 71 249-250 (3C06)
- Assesi, F.**, see Stracca, G. B.; *T-MTT* v21 n8 Aug 73 544-547 (2B02)
- Assaly, Robert N.**; Some designs of X_L -band diode switches; *T-MTT* v14 n11 Nov 66 553-563
- Assaly, Robert N.**, see Sicotte, Raymond L.; *T-MTT* v18 n1 Jan 70 48-50
- Assour, J.**, see Rosen, A.; *T-MTT* v18 n11 Nov 70 979-981
- Aston, Richard**; Techniques for increasing the bandwidth of a TM₀₁₀-mode power combiner; *T-MTT* v27 n5 May 79 479-482 (2B06)
- Ataman, A.**, see Herbst, H.; *T-MTT* v21 n2 Feb 73 114-115
- Atia, Ali E.**, and Albert E. Williams; Narrow-bandpass waveguide filters; *T-MTT* v20 n4 Apr 72 258-265 (1C04)
- Atia, Ali E.**; Computer-aided design of waveguide multiplexers (Short p.); *T-MTT* v22 n3 Mar 74 332-336 (3B02)
- Atia, Ali E.**, and Albert E. Williams; Nonminimum-phase optimum-amplitude bandpass waveguide filters; *T-MTT* v22 n4 Apr 74 425-431 (2B01)
- Atia, Ali E.**, and Albert E. Williams; Measurements of intercavity couplings (Short p.); *T-MTT* v23 n6 Jun 75 519-522 (1E05)
- Atia, Ali E.**, and Albert E. Williams; General TE₀₁₁-mode waveguide bandpass filters; *T-MTT* v24 n10 Oct 76 640-648 (1A12)
- Atia, Ali E.**, and Albert E. Williams; Temperature compensation of TE₀₁₁-mode circular cavities (Short p.); *T-MTT* v24 n10 Oct 76 668-669 (1C12)
- Atia, Ali E.**, see Williams, Albert E.; *T-MTT* v25 n12 Dec 77 1021-1026 (1E03)
- Atkinson, E. Ronald**; Microwave-induced hyperthermia dose definition; *T-MTT* v26 n8 Aug 78 595-598 (1F11)
- Atsuki, K.**, see Yamashita, Eikichi; *T-MTT* v17 n8 Aug 69 638-639
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v17 n2 Feb 69 118-119
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v18 n5 May 70 238-244
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v19 n1 Jan 71 120-122 (3B09)
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v22 n4 Apr 74 462-464 (2D10)
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v23 n1 Jan 75 177-178 (2G02)
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v24 n4 Apr 76 195-200. Correction, Sep 76 628 (1C05)
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v25 n2 Feb 77 146-150 (1E10)
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v27 n4 Apr 79 352-356 (1E06)
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v27 n12 Dec 79 1036-1038 (2B01)
- Atsuki, Kazuhiko**, see Yamashita, Eikichi; *T-MTT* v28 n9 Sep 80 986-990
- Atwater, Harry A.**; Reflection coefficient transformations for phase-shift circuits; *T-MTT* v28 n6 Jun 80 563-568
- Atwood, W.**, and H. E. Stinehelfer Sr.; A multistub filter for microstripline (Corresp.); *T-MTT* v16 n7 Jul 68 477-480
- Atzeni, Carlo**, and Leonardo Masotti; Linear signal processing by acoustic surface-wave transversal filters; *T-MTT* v21 n8 Aug 73 505-519 (1B03)
- Auckenthaler, Alethia M.**; Subroutine PERM; *T-MTT* v17 n10 Oct 69 791-792
- Auckenthaler, Alethia M.**, and C. Leonard Bennett; Computer solution of transient and time domain thin-wire antenna problems (Comp. progr. descr.); *T-MTT* v19 n11 Nov 71 892-893 (1F04)
- Auckland, David T.**, and Roger F. Harrington; Electromagnetic transmission through a filled slit in a conducting plane of finite thickness, TE case; *T-MTT* v26 n7 Jul 78 499-505 (1D03)
- Auckland, David T.**, and Roger F. Harrington; A nonmodal formulation for electromagnetic transmission through a filled slot of arbitrary cross section in a thick conducting screen; *T-MTT* v28 n6 Jun 80 548-555
- Audeh, N. F.**, see Yee, Hung Yuet; *T-MTT* v13 n6 Nov 65 847-851
- Audeh, N. F.**, and Hung Yuet Yee; Measurement of cutoff frequencies (Corresp.); *T-MTT* v13 n6 Nov 65 878-879
- Audeh, N. F.**, see Uptain, S. T.; *T-MTT* v14 n3 Mar 66 158
- Audeh, N. F.**, see Yee, Hung Yuet; *T-MTT* v14 n5 May 66 252-253
- Audeh, N. F.**, see Yee, Hung Yuet; *T-MTT* v14 n10 Oct 66 487-493
- Audeh, N. F.**, see Fuller, J. A.; *T-MTT* v17 n2 Feb 69 114-115
- Audeh, N. F.**, see Yee, Hung Yuet; *T-MTT* v18 n10 Oct 70 682-688
- Auer, Martin**; Novel method to orient ferrimagnetic single-crystal spheres (Corresp.); *T-MTT* v10 n1 Jan 62 88
- Augustine, Carl F.**, and James Cheal; The design and measurement of two broad-band coaxial phase shifters; *T-MTT* v8 n4 Jul 60 398-402
- Aukland, Jerry C.**, see Anderson, Dean B.; *T-MTT* v9 n6 Nov 61 491-498
- Auld, Bert A.**; The synthesis of symmetrical waveguide circulators; *T-MTT* v7 n2 Apr 59 238-246
- Auld, Bert A.**; Application of microwave concepts to the theory of acoustic fields and waves in solids; *T-MTT* v17 n11 Nov 69 800-811
- Auyeung, Tatyann**, see Yip, Gar Lam; *T-MTT* v22 n1 Jan 74 6-14 (1A08)
- Ayaki, Kazuo**, Eiichi Igarashi, and Yuji Kajiwara; A 4-GHz multistage transistor amplifier; *T-MTT* v17 n12 Dec 69 1072-1077
- Ayasli, Y.**; Comments on 'Full-band low-loss continuous tracking circulation in K band'; *T-MTT* v26 n4 Apr 78 314 (2A01)
- Ayasli, Yalcin**, see Ayter, Sevig; *T-MTT* v26 n3 Mar 78 197-202 (1E07)
- Ayasli, Yalcin**; Analysis of wide-band stripline circulators by integral equation technique; *T-MTT* v28 n3 Mar 80 200-209
- Ayres, W. P.**, see Vartanian, P. H.; *T-MTT* v4 n1 Jan 56 8-13
- Ayres, W. P.**, see Vartanian, P. H.; *T-MTT* v6 n2 Apr 58 215-222
- Ayres, Wesley P.**; Broad-band quarter-wave plates; *T-MTT* v5 n4 Oct 57 258-261
- Ayres, Wesley P.**; Millimeter-wave generation experiment utilizing ferrites; *T-MTT* v7 n1 Jan 59 62-65
- Ayter, Sevig**, and Yalcin Ayasli; The frequency behavior of stripline circulator junctions; *T-MTT* v26 n3 Mar 78 197-202 (1E07)
- Azakami, Takashi**, see Yamamoto, Sadahiko; *T-MTT* v14 n10 Oct 66 446-461
- Azakami, Takashi**, see Yamamoto, Sadahiko; *T-MTT* v14 n11 Nov 66 542-553
- Azakami, Takashi**, see Yamamoto, Sadahiko; *T-MTT* v15 n4 Apr 67 220-231
- Azarbar, Bahman**, and Lotfollah Shafai; Field solution for radial waveguides with annular discontinuities; *T-MTT* v27 n11 Nov 79 883-890 (1A13)
- Azizi, Ataollah**, see Mazumder, Shamsur R.; *T-MTT* v27 n5 May 79 430-433 (1E12)

B

- Baars, Reinhard D.**, see Helszajn, J.; *T-MTT* v28 n6 Jun 80 616-621
- Baba, Paul D.**, see Argentina, Gil M.; *T-MTT* v22 n6 Jun 74 652-658 (1E10)
- Bachman, Henry L.**; A waveguide impedance meter for automatic display of complex reflection coefficient; *T-MTT* v3 n1 Jan 55 22-30
- Bachman, Henry L.**, see Wheeler, Harold A.; *T-MTT* v7 n1 Jan 59 154-162. Correction, Jul 59 369
- Bady, I.**; Discussion of line width and gyromagnetic ratio (Corresp.); *T-MTT* v8 n3 May 60 376-377
- Bady, Isidore**; Ferrites with planar anisotropy at microwave frequencies; *T-MTT* v9 n1 Jan 61 52-62
- Bady, Isidore**; Frequency doubling using ferrite slabs, particularly planar ferrites; *T-MTT* v10 n1 Jan 62 55-64
- Bady, Isidore**, and Thomas Collins; Dielectric constant and loss tangent of microwave ferrites at elevated temperatures; *T-MTT* v11 n4 Jul 63 222-226
- Bady, Isidore**; Comments on 'Line width and bandwidth of millimeter-wave resonance isolators'; *T-MTT* v11 n5 Sep 63 439-442

- Bady, Isidore, and G. McCall; Ferromagnetic line width of nonoriented polycrystalline hexagonal ferrites with large magnetic anisotropy fields (Corresp.); *T-MTT* v11 n5 Sep 63 442-443
- Bady, Isidore, see Skudera, William, Jr.; *T-MTT* v15 n2 Feb 67 96-100
- Bady, Isidore; Effect of transmission line mismatch on cavity Q , with particular application to ferrite dielectric loss measurements (Corresp.); *T-MTT* v17 n3 Mar 69 165-166
- Baechtold, Werner, and Max J. O. Strutt; Noise in microwave transistors; *T-MTT* v16 n9 Sep 68 578-585
- Baechtold, Werner, Willi Kotyczka, and Max J. O. Strutt; Computerized calculation of small signal and noise properties of microwave transistors; *T-MTT* v17 n8 Aug 69 614-619
- Bahar, E., see Govindarajan, G.; *T-MTT* v25 n8 Aug 77 713 (1G01)
- Bahar, Ezekiel; Propagation in a microwave model waveguide of variable surface impedance—Theory and experiment; *T-MTT* v14 n11 Nov 66 572-578
- Bahar, Ezekiel; Wave scattering in nonuniform waveguides with large flare angles and near cutoff; *T-MTT* v16 n8 Aug 68 503-510
- Bahar, Ezekiel; Fields in waveguide bends expressed in terms of coupled local annular waveguide modes; *T-MTT* v17 n4 Apr 69 210-217
- Bahar, Ezekiel, and Gopalan Govindarajan; Rectangular and annular modal analyses of multimode waveguide bends; *T-MTT* v21 n12 Dec 73 819-824 (2D05)
- Bahar, Ezekiel; Coupling between guided surface waves, lateral waves, and the radiation fields by rough surfaces—Full-wave solutions; *T-MTT* v25 n11 Nov 77 923-931 (1E03)
- Bahar, Ezekiel, and Bishan S. Agrawal; Application of generalized characteristic vectors to problems of propagation in clad inhomogeneous dielectric waveguides; *T-MTT* v27 n4 Apr 79 345-352 (1D13)
- Bahar, Ezekiel, see Agrawal, Bishan S.; *T-MTT* v28 n3 Mar 80 273-274
- Bahar, Ezekiel; Excitation of surface waves and the scattered radiation fields by rough surfaces of arbitrary slope; *T-MTT* v28 n9 Sep 80 999-1006
- Bahiana, Luiz C., and Louis D. Smullin; Coupling of modes in uniform, composite waveguides; *T-MTT* v8 n4 Jul 60 454-458
- Bahl, I. J., see Garg, Ramesh; *T-MTT* v27 n7 Jul 79 700-705. Correction, Mar 80 272 (1F04)
- Bahl, I. J., and Stanislaw S. Stuchly; Analysis of a microstrip covered with a lossy dielectric; *T-MTT* v28 n2 Feb 80 104-109
- Bahl, I. J., and K. C. Gupta; Design of loaded-line p-i-n diode phase shifter circuits; *T-MTT* v28 n3 Mar 80 219-224
- Bahl, I. J., and Prakash Bhartia; Characteristics of inhomogeneous broadside-coupled striplines; *T-MTT* v28 n6 Jun 80 529-535
- Bahl, I. J., and Prakash Bhartia; Leaky-wave antennas using artificial dielectrics at millimeter wave frequencies; *T-MTT* v28 n11 Nov 80 1205-1212
- Bahl, I. J., Stanislaw S. Stuchly, and Maria A. Stuchly; A new microstrip radiator for medical applications; *T-MTT* v28 n12 Dec 80 1464-1468
- Bahl, Inder J., and Hari M. Gupta; Microwave measurements of dielectric constant of liquids and solids using partially loaded slotted waveguide (Short p.); *T-MTT* v22 n1 Jan 74 52-54 (1D12)
- Bahr, A. J., see Ho, R. Y. C.; *T-MTT* v17 n11 Nov 69 1041-1042
- Bahr, A. J., Guest ed.; Introduction to special issue; *T-MTT* v17 n11 Nov 69 799
- Bahr, Alfred J.; Reflection and amplification of acoustic surface waves by interdigital transducers with active circuit loading; *T-MTT* v18 n9 Sep 70 642-647
- Bahr, Alfred J.; Nondestructive microwave evaluation of ceramics; *T-MTT* v26 n9 Sep 78 676-683 (1D08)
- Baier, Walter; Waves and evanescent fields in rectangular waveguides filled with a transversely inhomogeneous dielectric; *T-MTT* v18 n10 Oct 70 696-705
- Bailey, A. G., see de Mesquita, D. G.; *T-MTT* v18 n9 Sep 70 654-656
- Bailey, R. L., W. P. Bennett, L. F. Heckman, and I. E. Martin; An all-transistor 1-kW high-gain UHF power amplifier (Corresp.); *T-MTT* v17 n12 Dec 69 1154-1156
- Bailey, William L., see Arnold, Robert P.; *T-MTT* v22 n11 Nov 74 964-965 (1D12)
- Bains, Amarjit S., and Colin S. Aitchison; Analysis and design of an X-band actively compensated IMPATT diode amplifier; *T-MTT* v27 n1 Jan 79 17-23 (1B05)
- Baird, J. Mark, see Barnett, Larry R.; *T-MTT* v28 n12 Dec 80 1477-1481
- Baird, J. Mark, see Fliflet, Arne W.; *T-MTT* v28 n12 Dec 80 1482-1486
- Baird, J. R., see Degenford, J. E.; *T-MTT* v13 n3 May 65 380-382
- Baird, Jack R., and Paul D. Coleman; Bunching an electron beam by deflection modulation; *T-MTT* v11 n5 Sep 63 312-317
- Baird, Jack R., see Yamashita, Eikichi; *T-MTT* v15 n7 Jul 67 415-421
- Baird, Jack R., see Heeren, R. G.; *T-MTT* v19 n11 Nov 71 884-885 (1E08)
- Baker, Robert J., Vernon Smith, Theodore L. Phillips, Lawrence J. Kane, and Lan H. Kobe; A system for developing microwave-induced hyperthermia in small animals; *T-MTT* v26 n8 Aug 78 541-545 (1B13)
- Baker, W. R. G., Chmn.; The IRE 'Affiliate' Plan—A new venture in engineering society structure and service (Corresp.); *T-MTT* v5 n2 Apr 57 161
- Balabanian, Norman; Impedance matching (Corresp.); *T-MTT* v3 n4 Jul 55 53
- Balasubramanya, K. S., see Narasimhan, M. S.; *T-MTT* v22 n11 Nov 74 965-970 (1D13)
- Balister, Michael, see Weinreb, Sander; *T-MTT* v25 n4 Apr 77 243-248 (1A05)
- Ballato, Arthur, Henry L. Bertoni, and Theodor Tamir; Systematic design of stacked-crystal filters by microwave network methods; *T-MTT* v22 n1 Jan 74 14-25 (1B02)
- Ballato, Arthur, and Theodore Lukaszek; Shallow bulk acoustic waves—Progress and prospects; *T-MTT* v27 n12 Dec 79 1004-1012 (1F10)
- Bandler, John W.; Stability and gain prediction of microwave tunnel-diode reflection amplifiers; *T-MTT* v13 n6 Nov 65 814-819
- Bandler, John W.; Frequency responses in the reflection coefficient plane plotted by digital computer (Corresp.); *T-MTT* v14 n8 Aug 66 399-400
- Bandler, John W.; Comparison of p plane with H -plane negative resistance stability criteria using the Smith chart; *T-MTT* v15 n9 Sep 67 532-533
- Bandler, John W.; Computer optimization of a stabilizing network for a tunnel-diode amplifier; *T-MTT* v16 n6 Jun 68 326-333
- Bandler, John W.; Optimization methods for computer-aided design; *T-MTT* v17 n8 Aug 69 533-552
- Bandler, John W.; Computer optimization of inhomogeneous waveguide transformers; *T-MTT* v17 n8 Aug 69 563-571
- Bandler, John W.; Computer program descriptions—Prologue; *T-MTT* v17 n8 Aug 69 642
- Bandler, John W.; Program for processing standing wave measurements; *T-MTT* v17 n8 Aug 69 644-646
- Bandler, John W., and Patrick A. Macdonald; Response program for an inhomogeneous cascade of rectangular waveguides; *T-MTT* v17 n8 Aug 69 646-649
- Bandler, John W., and Rudolph E. Seviiora; Current trends in network optimization; *T-MTT* v18 n12 Dec 70 1159-1170
- Bandler, John W., and P. A. Macdonald; The razor search program (Comp. program descr.); *T-MTT* v19 n7 Jul 71 667 (2E10)
- Bandler, John W., and Rudolph E. Seviiora; Wave sensitivities of networks; *T-MTT* v20 n2 Feb 72 138-147 (1F04)
- Bandler, John W., Thandangorai V. Srinivasan, and Christakis Charalambous; Minimax optimization of networks by grazor search; *T-MTT* v20 n9 Sep 72 596-604 (1D10)
- Bandler, John W., and Thandangorai V. Srinivasan; The grazor search program for minimax objectives (Computer program descr.); *T-MTT* v20 n11 Nov 72 784-785 (2C03)
- Bandler, John W., and Christakis Charalambous; Practical least p th optimization of networks; *T-MTT* v20 n12 Dec 72 834-840 (1E09)
- Bandler, John W., and Thandangorai V. Srinivasan; Program for investigating minimax optimality conditions (Computer program descr.); *T-MTT* v21 n6 Jun 73 433 (2C10)
- Bandler, John W., see Charalambous, Christakis; *T-MTT* v21 n12 Dec 73 815-818 (2D01)
- Bandler, John W., see Popović, J. R.; *T-MTT* v22 n1 Jan 74 76 (1F08)
- Bandler, John W., see Popović, J. R.; *T-MTT* v22 n1 Jan 74 76-77 (1F08)
- Bandler, John W.; Editorial; *T-MTT* v22 n3 Mar 74 153-154 (1A03)
- Bandler, John W., Jadranka R. Popović, and Virendra K. Jha; Cascaded network optimization program; *T-MTT* v22 n3 Mar 74 300-308 (2D10)
- Bandler, John W., and Jadranka R. Popović; CANOPT—Cascaded network optimization package (Computer program descr.); *T-MTT* v22 n3 Mar 74 344 (3B14)
- Bandler, John W., Peter C. Liu, and James H. K. Chen; Worst case network tolerance optimization; *T-MTT* v23 n8 Aug 75 630-641 (1B14)
- Bandler, John W., C. Charalambous, J. H. K. Chen, and W. Y. Chu; New results in the least p th approach to minimax design (Short p.); *T-MTT* v24 n2 Feb 76 116-119 (1D08)
- Bandler, John W., Mohamed R. M. Rizk, and Herman Tromp; Efficient calculation of exact group delay sensitivities; *T-MTT* v24 n4 Apr 76 188-194. Correction, May 77 445 (1B12)
- Bandler, John W., C. Charalambous, and J. H. K. Chen; MINOPT—An optimization program based on recent minimax results (Computer program descr.); *T-MTT* v24 n8 Aug 76 543 (1D13)
- Bandler, John W., and W. Y. Chu; FLOPT2—A program for least p th optimization with extrapolation to minimax solutions (Computer program descr.); *T-MTT* v24 n8 Aug 76 543-544 (1D13)
- Bandler, John W., Peter C. Liu, and Herman Tromp; Integrated approach to microwave design; *T-MTT* v24 n9 Sep 76 584-591 (1C12)
- Bandler, John W., M. R. M. Rizk, and Hany L. Abdel-Malek; New results in network simulation, sensitivity and tolerance analysis for cascaded structures; *T-MTT* v26 n12 Dec 78 963-972 (1C13)
- Bandler, John W., and M. R. M. Rizk; Tolerance analysis of cascaded structures (Short p.); *T-MTT* v28 n8 Aug 80 935-938
- Bandler, John W., and Patrick A. Macdonald; Optimization of microwave networks by razor search; *T-MTT* v17 n8 Aug 69 552-562
- Banerjee, D. K., see Neelakantaswamy, Perambur S.; *T-MTT* v25 n5 May 77 426-428 (1G02)
- Banerjee, Dilip Kumar, see Neelakantaswamy, Perambur S.; *T-MTT* v26 n9 Sep 78 665-666 (1C11)
- Banks, Crawford, see Ganguly, Achintya K.; *T-MTT* v26 n6 Jun 78 444-447 (1E10)
- Banno, Osamu, see Chiba, Jiro; *T-MTT* v26 n6 Jun 78 439-443 (1E05)
- Barabas, Udo, Ulrich Wellens, Ulrich K. Langmann, and Berthold G. Bosch; Diode circuits for pulse regeneration and multiplexing at ultrahigh bit rates; *T-MTT* v24 n12 Dec 76 929-935 (1C03)
- Barabas, Udo; On an ultrabroad-band hybrid tee; *T-MTT* v27 n1 Jan 79 58-64 (1E04)
- Barabas, Udo; Pulse regeneration in the gigabit-per-second range using a diode differential regenerator; *T-MTT* v28 n3 Mar 80 161-171
- Baranowski, Joseph J., Vincent J. Higgins, and Frank A. Brand; Cooling of avalanche diodes (Corresp.); *T-MTT* v15 n12 Dec 67 754-755
- Barber, Mark R.; A numerical analysis of the tunnel-diode frequency converter; *T-MTT* v13 n5 Sep 65 663-670
- Barber, Mark R.; Noise figure and conversion loss of the Schottky barrier mixer diode; *T-MTT* v15 n11 Nov 67 629-635
- Barber, Peter W.; Resonance electromagnetic absorption by nonspherical dielectric objects; *T-MTT* v25 n5 May 77 373-381 (1C05)
- Barber, Peter W., see Massoudi, Habib; *T-MTT* v27 n10 Oct 79 825-830 (1A03)
- Barber, Peter W., see Iskander, Magdy, F.; *T-MTT* v28 n7 Jul 80 801-807
- Barbero, Jesus; Error in impedance measurement when the signal is introduced across the slotted-line probe (Short p.); *T-MTT* v22 n10 Oct 74 887-889 (1C13)
- Comments by Garver, R. V., Jun 75 536-537
- Bardati, Fernando, and Paolo Lampariello; The modal spectrum of a lossy ferrimagnetic slab; *T-MTT* v27 n7 Jul 79 679-688 (1D11)
- Barley, Thomas A., see Ashley, J. Robert; *T-MTT* v25 n4 Apr 77 294-318 (1D14)
- Barlow, Harold M.; Editorial; *T-MTT* v8 n2 Mar 60 130-131
- Barnes, Casper W.; On the impulse response of a coupled-mode system; *T-MTT* v13 n4 Jul 65 432-435
- Barnes, Clare E.; Broad-band isolators and variable attenuators for millimeter wavelengths; *T-MTT* v9 n6 Nov 61 519-524
- Barnes, Clare E., see Owen, Brian; *T-MTT* v18 n12 Dec 70 1096-1100
- Barnes, Clare E., see Knerr, Reinhard H.; *T-MTT* v18 n12 Dec 70 1100-1108
- Barnes, F. S., see Gerdine, M. A.; *T-MTT* v14 n1 Jan 66 41-42
- Barnes, Frank S., and Chia-Lun J. Hu; Model for some nonthermal effects of radio and microwave fields on biological membranes; *T-MTT* v25 n9 Sep 77 742-746 (1B12)
- Barnes, Frank S., see Berkowitz, Gary C.; *T-MTT* v27 n2 Feb 79 204-207 (2B03)
- Barnes, W. C., see Hefni, I.; *T-MTT* v15 n7 Jul 67 427-429
- Barnett, Larry R., J. Mark Baird, Arne W. Fliflet, and Victor L. Granatstein; Circular-electric mode waveguide couplers and junctions for use in gyrotron traveling-wave amplifiers; *T-MTT* v28 n12 Dec 80 1477-1481
- Barnett, Larry R., see Fliflet, Arne W.; *T-MTT* v28 n12 Dec 80 1482-1486
- Barrack, Carroll M., see King, D. D.; *T-MTT* v7 n2 Apr 59 229-233

- Barrett, Robert M.; Microwave printed circuits—A historical survey; *T-MTT* v3 n2 Mar 55 1-9
- Barrington, A. E.; Characteristics of a ferrite-loaded rectangular waveguide twist (Corresp.); *T-MTT* v7 n2 Apr 59 299-300
- Barrington, A. E., J. Dekleva, and J. R. Rees; Model studies of a strongly coupled synchrotron RF system; *T-MTT* v8 n6 Nov 60 597-604
- Barrow, Wilmer L.; Yesteryear—Tomorrow; *T-MTT* v5 n4 Oct 57 223-225
- Barthel, Donald R., see Wentworth, Frederick L.; *T-MTT* v3 n3 Jul 56 173-175
- Bartholomew, Donald D., see Grimes, E. S., Jr.; *T-MTT* v8 n5 Sep 60 489-492
- Bartlett, D. V., see Tait, G. D.; *T-MTT* v22 n12 Dec 74 1109-1111 (2C06)
- Barzilai, Giorgio, and Giorgio Gerosa; Modes in rectangular guides loaded with a transversely magnetized slab of ferrite away from the side walls; *T-MTT* v9 n5 Sep 61 403-408
- Basawapatna, Ganesh R., and Roger B. Stancliff; A unified approach to the design of wide-band microwave solid-state oscillators; *T-MTT* v27 n5 May 79 379-385 (1B03)
- Bassen, H. I., and A. Cheung; Comments on 'Experimental and theoretical studies on electromagnetic fields induced inside finite biological bodies' by Guru, B., and Chen, K. M.; *T-MTT* v25 n7 Jul 67 623-624
- Bassen, Howard I., and William A. Herman; Precise calibration of plane-wave microwave power density using power equation techniques; *T-MTT* v25 n8 Aug 77 701-706 (1F03)
- Bassett, Harold L., H. Allen Ecker, Richard C. Johnson, and Albert P. Sheppard; New techniques for implementing microwave biological-exposure systems; *T-MTT* v19 n2 Feb 71 197-205 (2C08)
- Bastida, Ezio M., and Giuseppe Conciauro; Influence of the harmonics on the power generated by waveguide-tunable Gunn device oscillators (Short p.); *T-MTT* v22 n8 Aug 74 796-798 (1C14)
- Bastida, Ezio M.; Study of the harmonic effects for waveguide Gunn-diode oscillator optimization; *T-MTT* v28 n4 Apr 80 305-313
- Bates, C., and M. Ettenberg; Measurement of the probability density function of a microwave noise generator (Corresp.); *T-MTT* v16 n9 Sep 68 793-795
- Bates, R. H. T.; The characteristic impedance of the shielded slab line; *T-MTT* v4 n1 Jan 56 28-33
- Bates, R. H. T.; The point-matching method for interior and exterior two-dimensional boundary value problems (Corresp.); *T-MTT* v15 n3 Mar 67 185-187
- Bates, R. H. T., see Ng, Fook Loy; *T-MTT* v20 n10 Oct 72 658-662 (1D02)
- Bates, R. H. T.; Analytic constraints on electromagnetic field computations; *T-MTT* v23 n8 Aug 75 605-623 (1A03)
- Bates, Richard H. T.; The theory of the point-matching method for perfectly conducting waveguides and transmission lines; *T-MTT* v17 n6 Jun 69 294-301
- Bathker, D. A.; A stepped mode transducer using homogeneous waveguides (Corresp.); *T-MTT* v15 n2 Feb 67 128-130
- Bathker, Dan A., see Levy, Gerald S.; *T-MTT* v16 n9 Sep 68 596-602
- Bathker, Dan A., see Hartop, Rob; *T-MTT* v24 n12 Dec 76 958-963 (1E04)
- Batt, R. J., H. L. Bradley, A. Doswell, and D. J. Harris; Waveguide and open-resonator techniques for submillimeter waves; *T-MTT* v22 n12 Dec 74 1089-1094 (2A14)
- Batt, R. J., G. D. Jones, and D. J. Harris; The measurement of the surface resistivity of evaporated gold at 890 GHz; *T-MTT* v25 n6 Jun 77 488-491 (1C08)
- Battershall, Barry W., and Stephen P. Emmons; Optimization of diode structures for monolithic integrated microwave circuits; *T-MTT* v16 n7 Jul 68 445-450
- Battocletti, Joseph H.; The dipolar resonance of the cylindrical low-pressure arc discharge; *T-MTT* v11 n3 May 63 193-203
- Baudet, P., M. Binet, and D. Boccon-Gibod; Submicrometer self-aligned GaAs MESFET (Short p.); *T-MTT* v24 n6 Jun 76 372-376 (2A06)
- Baudrand, H., and S. Lefevre; Intrinsic attenuation (Corresp.); *T-MTT* v12 n4 Jul 64 470-471
- Bauer, Ronald F., and Paul Penfield Jr.; De-embedding and unterminating; *T-MTT* v22 n3 Mar 74 282-288 (2C06)
- Bava, Elio, Gian Paolo Bava, Aldo Godone, and Giovanni Rietto; Analysis of varactor frequency multipliers: Nonlinear behavior and hysteresis phenomena; *T-MTT* v27 n2 Feb 79 141-147 (1D09)
- Bava, Elio, Gian Paolo Bava, Aldo Godone, and Giovanni Rietto; Transfer functions of amplitude and phase fluctuations and additive noise in varactor doublers; *T-MTT* v27 n8 Aug 79 753-757 (1C11)
- Bava, G. P., and C. Naldi; Discussion of some design methods for dielectric steps in rectangular waveguides (Corresp.); *T-MTT* v18 n3 Mar 70 167-168
- Bava, Gian Paolo, see Bava, Elio; *T-MTT* v27 n2 Feb 79 141-147 (1D09)
- Bava, Gian Paolo, see Bava, Elio; *T-MTT* v27 n8 Aug 79 753-757 (1C11)
- Bawer, R., and G. Kefalas; A modified equal-element band-pass filter; *T-MTT* v5 n3 Jul 57 175-176
- Bawer, R., and John J. Wolfe; Rebuttal to 'A note on the difference between equiangular and Archimedes spiral antennas' (Corresp.); *T-MTT* v9 n2 Mar 61 204-205
- Reply by Mayes, P. E., and J. D. Dyson, Mar 61 205
- Bawer, Robert, and John J. Wolfe; A printed circuit balun for use with spiral antennas; *T-MTT* v8 n3 May 60 319-325
- Baykal, Yahya Kemal, see Hizal, Altunkan; *T-MTT* v26 n8 Aug 78 607-612 (1G09)
- Baynam, A. C., A. D. Boardman, M. R. B. Dunsmore, and J. Tierney; Wave propagation in multilayered drifted solid-state plasmas (Short p.); *T-MTT* v21 n2 Feb 73 111-113 (1E09)
- Baynam, A. C., C. T. Elliott, N. Shaw, and D. J. Wilson; The current role and future prospects of pyroelectric coherent radiation detectors (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Beal, John C., see Dewar, William J.; *T-MTT* v18 n8 Aug 70 449-455
- Beal, John C., see McRitchie, W. Kenneth; *T-MTT* v20 n8 Aug 72 493-496 (1B03)
- Beal, John C., see Mahmoud, Samir F.; *T-MTT* v23 n2 Feb 75 185-192 (1A03)
- Beal, John C., see Mahmoud, Samir F.; *T-MTT* v23 n2 Feb 75 193-198 (1A11)
- Beal, John C., see Gale, Daniel J.; *T-MTT* v28 n9 Sep 80 1006-1013
- Beam, Robert E.; Report of advances in microwave theory and techniques—1957; *T-MTT* v6 n3 Jul 58 251-263
- Beam, Robert E., and Morris E. Brodwin; Report of advances in microwave theory and techniques in U.S.A.—1958; *T-MTT* v7 n3 Jul 59 308-325
- Beard, S. G., see Zelby, L. W.; *T-MTT* v16 n8 Aug 68 566-567
- Beatty, R. W.; A microwave impedance meter capable of high accuracy (Corresp.); *T-MTT* v8 n4 Jul 60 461-463
- Beatty, R. W.; Editorial; *T-MTT* v12 n3 May 64 274
- Beatty, R. W.; Measuring the directivity of a directional coupler using a sliding short-circuit and an adjustable sliding termination (Corresp.); *T-MTT* v12 n3 May 64 383
- Beatty, R. W.; Discussion of effect of realizability conditions upon estimated limits of mismatch error in the calibration of fixed attenuators (Corresp.); *T-MTT* v16 n11 Nov 68 976
- Beatty, R. W., and B. C. Yates; A graph of return loss versus frequency for quarter-wavelength short-circuited waveguide impedance standards (Corresp.); *T-MTT* v17 n5 May 69 282-284
- Beatty, R. W., see Nemoto, T.; *T-MTT* v17 n7 Jul 69 396-397
- Beatty, R. W., see Otoshi, T. Y.; *T-MTT* v18 n7 Jul 70 406-409
- Beatty, Robert W.; An adjustable sliding termination for rectangular waveguide; *T-MTT* v5 n3 Jul 57 192-194
- Beatty, Robert W., see Schafer, George E.; *T-MTT* v6 n4 Oct 58 419-422
- Beatty, Robert W.; Magnified and squared VSWR responses for microwave reflection coefficient measurements; *T-MTT* v7 n3 Jul 59 346-350
- Beatty, Robert W., see Engen, Glenn F.; *T-MTT* v7 n3 Jul 59 351-355
- Beatty, Robert W.; Maximum efficiency of a two arm waveguide junction (Corresp.); *T-MTT* v11 n1 Jan 63 94
- Comments, *T-MTT* v11 n6 Nov 63 549
- Beatty, Robert W.; Intrinsic attenuation; *T-MTT* v11 n3 May 63 179-182. Correction, Mar 65 258
- Comments, *T-MTT* v12 n4 Jul 64 470-471
- Beatty, Robert W.; A differential microwave phase shifter (Corresp.); *T-MTT* v12 n2 Mar 64 250-251
- Beatty, Robert W.; Message from the Editor; *T-MTT* v12 n6 Nov 64 582-583
- Beatty, Robert W.; Message from the outgoing Editor; *T-MTT* v14 n4 Apr 66 170
- Beatty, Robert W., and G. H. Fentress; A simple tuning circuit for waveguide and transmission line systems (Corresp.); *T-MTT* v19 n3 Mar 71 337-338 (2C12)
- Beatty, Robert W.; Efficiencies of microwave 2-ports from reflection coefficient measurements (Short p.); *T-MTT* v20 n5 Dec 72 343-344 (1F02)
- Beatty, Robert W., and G. E. Schafer; Comments on 'Errors in S_{11} measurements due to the residual standing-wave ratio of the measuring equipment'; *T-MTT* v21 n5 May 73 364 (1F06)
- Beatty, Robert W., see Wait, David F.; *T-MTT* v21 n12 Dec 73 747-751 (1B04)
- Beatty, Robert W.; A frequently reinvented circuit (Ltr.); *T-MTT* v22 n5 May 74 583 (2C14)
- Beatty, Robert W., and Tom Y. Otoshi; Effect of discontinuities on the group delay of a microwave transmission line (Short p.); *T-MTT* v23 n11 Nov 75 919-923 (1E13)
- Beatty, Robert W.; The 1975 S-MTT National Lectureship; *T-MTT* v23 n12 Dec 75 952 (1A14)
- Beaubien, M., and Alvin Wexler; Higher waveguide modes by positive definite SOR (Comp. progr. descr.); *T-MTT* v19 n10 Oct 71 839-840 (1F01)
- Beaubien, Marcel J., and Alvin Wexler; An accurate finite-difference method for higher order waveguide modes; *T-MTT* v16 n12 Dec 68 1007-1017
- Beaubien, Marcel J., and Alvin Wexler; Unequal-arm finite-difference operators in the Positive-Definite Successive Overrelaxation (PDSOR) algorithm; *T-MTT* v18 n12 Dec 70 1132-1149
- Beck, A. C.; Microwave testing with millimicrosecond pulses; *T-MTT* v2 n1 Apr 54 93-99
- Beck, A. C.; Measurement techniques for multimode waveguides; *T-MTT* v3 n3 Apr 55 35-41
- Beck, A. C.; An experimental gas lens optical transmission line (Corresp.); *T-MTT* v15 n7 Jul 67 433-434
- Beck, Alfred C., and G. D. Mandeville; Microwave traveling-wave tube millimicrosecond pulse generators; *T-MTT* v3 n6 Dec 55 48-51
- Beck, Alfred C.; Communication superhighways; *T-MTT* v5 n2 Apr 57 81-82
- Becker, C. R., R. Geick, and V. Wagner; Antiferromagnetic resonance in NiO:Co²⁺ and NiO:Fe²⁺ (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Becker, E., see Kurokawa, K.; *T-MTT* v23 n3 Mar 75 309-311 (1D01)
- Becker, Joel E., see Mazzola, Vincent; *T-MTT* v15 n8 Aug 67 462-468
- Becker, Richard C., see Coleman, Paul D.; *T-MTT* v7 n1 Jan 59 42-61
- Beckman, J. E., and J. A. Shaw; Optimal design of optics for submillimeter astronomy (Ltr.); *T-MTT* v22 n12 Dec 74 1113-1114 (2C10)
- Beckman, J. E., see Robson, E. I.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Bedair, S. S.; On the odd-mode capacitance of the coupled microstriplines (Short p.); *T-MTT* v28 n11 Nov 80 1225-1227
- Bedrosian, E.; On the noise temperature of coupling networks (Corresp.); *T-MTT* v8 n4 Jul 60 463
- Beers, Yardley, see Zimmerer, Robert W.; *T-MTT* v11 n2 Mar 63 142-150
- Begemann, G., see Schünemann, K.; *T-MTT* v25 n12 Dec 77 1026-1032 (1E08)
- Begemann, Günther; An X-band balanced fin-line mixer; *T-MTT* v26 n12 Dec 78 1007-1011 (1G01)
- Begemann, Günther, see Kpodzo, Elias; *T-MTT* v28 n7 Jul 80 747-752
- Begg, Barbara A., see Mount, Ellis; *T-MTT* v8 n2 Mar 60 222-243
- Begovich, Nicholas A.; Capacity and characteristic impedance of strip transmission lines with rectangular inner conductors; *T-MTT* v3 n2 Mar 55 127-133
- Behm, Karl, see Schünemann, Klaus F.; *T-MTT* v27 n5 May 79 452-458 (1G06)
- Behrens, George H., Jr.; Cryogenically cooled C-band p-i-n diode integrated switch matrix for radio astronomy applications; *T-MTT* v26 n9 Sep 78 629-635 (1A03)
- Bell, A. B., see Cowan, D. A.; *T-MTT* v25 n12 Dec 77 995-1000 (1C05)
- Bell, DeLamar T., Jr., see Hartmann, Clinton S.; *T-MTT* v21 n4 Apr 73 162-175 (1B04)
- Bell, DeLamar T., Jr., Jerry D. Holmes, and Richard V. Ridings; Application of acoustic surface-wave technology to spread spectrum communications; *T-MTT* v21 n4 Apr 73 263-271 (2E12)
- Bell, F., see Caputo, J.; *T-MTT* v13 n5 Sep 65 701-703
- Bell, H. Clark, Jr., and Charles R. Boyd Jr.; Optimum filling of ferrite phase shifters of uniform dielectric constant; *T-MTT* v22 n4 Apr 74 360-364 (1A10)
- Bell, Richard O., and Georg Rupprecht; Measurement of small dielectric losses in material with a large dielectric constant at microwave frequencies; *T-MTT* v9 n3 May 61 239-242
- Bell, W. Earl, A. Bloom, and Robert G. Williams; A microwave frequency standard employing optically pumped sodium vapor; *T-MTT* v7 n1 Jan 59 95-98
- Belland, P., A. I. Ciura, D. Veron, and L. B. Whitborn; CW 337- μ m HCN laser gain saturation, emission line shape, and power (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Belohoubek, E., see Presser, A.; *T-MTT* v16 n7 Jul 68 482-483
- Belohoubek, E. F., and A. Rosen; Coupled microstrip-line varactor doublers (Corresp.); *T-MTT* v17 n5 May 69 286-288
- Belohoubek, E. F., and E. Denlinger; Loss considerations for microstrip resonators (Short p.); *T-MTT* v23 n6 Jun 75 522-526 (1E08)
- Benanti, Michael, see Jacobs, Harold; *T-MTT* v8 n5 Sep 60 553-559

- Benedek, P., see Earle, Michael A.; *T-MTT v16 n10 Oct 68* 884-885
- Benedek, Peter, and P. Silvester; Capacitance of parallel rectangular plates separated by a dielectric sheet; *T-MTT v20 n8 Aug 72* 504-510 (1C02)
- Benedek, Peter, see Silvester, P.; *T-MTT v20 n8 Aug 72* 511-516 (1C09)
- Benedek, Peter, and P. Silvester; Equivalent capacitances for microstrip gaps and steps; *T-MTT v20 n11 Nov 72* 729-733 (1C05)
- Benedek, Peter, see Silvester, P.; *T-MTT v20 n11 Nov 72* 756-758 (1E08)
- Benedek, Peter, see Silvester, Peter; *T-MTT v21 n1 Jan 73* 63 (2C04)
- Benedek, Peter, see Silvester, Peter; *T-MTT v21 n5 May 73* 341-346. *Correction*, May 75 456 (1D07)
- Beneking, H., and W. Filensky; The GaAs MESFET as a pulse regenerator in the gigabit per second range (Ltr.); *T-MTT v24 n6 Jun 76* 385-386 (2B05)
- Beneking, H.; Comments on 'Experimental measurement of microstrip transistor package parasitic reactances'; *T-MTT v26 n1 Jan 78* 43 (1D03)
- Benet, James A., see Hord, William E.; *T-MTT v20 n2 Feb 72* 112-119 (1D02)
- Benevello, Olivier, see Pompei, Dominique; *T-MTT v26 n4 Apr 78* 231-238 (1A09)
- Benguerel, A. P., and N. S. Nahman; A varactor tuned UHF coaxial filter (Corresp.); *T-MTT v12 n4 Jul 64* 468-469
- Benjamin, Richard, see Jacobs, Harold; *T-MTT v8 n5 Sep 60* 553-559
- Benko, Emil, see Obah, Chuka O. G.; *T-MTT v23 n12 Dec 75* 959-970. *Correction*, Mar 76 163 (1B07)
- Benko, Emil, see Sun, C.; *T-MTT v27 n5 May 79* 512-514 (2D11)
- Bennett, C. Leonard, see Auckenthaler, Alethia M.; *T-MTT v19 n11 Nov 71* 892-893 (1F04)
- Bennett, C. Leonard, Jr., see Nicolson, A. Murray; *T-MTT v20 n1 Jan 72* 3-9. *Correction*, Oct 72 707 (1B05)
- Bennett, W. P., see Bailey, R. L.; *T-MTT v17 n12 Dec 69* 1154-1156
- Benson, Walter S., Jr., and Arthur Uhler Jr.; Error minimization in network analyzer measurement of varactor quality (Short p.); *T-MTT v25 n4 Apr 77* 335-338 (2A12)
- Bera, Richard, see Pucel, Robert A.; *T-MTT v24 n6 Jun 76* 351-360 (1F07)
- Bercelli, T.; Optimum design of helix couplers with shielding (Corresp.); *T-MTT v13 n4 Jul 65* 471-472
- Bercelli, Tibor, G. Hammer, F. Rákosi, G. Reiter, and S. Szénási; Improved microwave repeaters for Hungarian all-solid-state communications systems; *T-MTT v23 n4 Apr 75* 341-348 (1B05)
- Berger, Henry; Nonreciprocal directional couplers (Corresp.); *T-MTT v13 n4 Jul 65* 474-475
- Berger, Henry, and John W. E. Griemsmann; Guided waves in moving dispersive media—Part I: Nonrelativistic velocities; *T-MTT v16 n1 Jan 68* 11-16
- Berger, Henry, and John W. E. Griemsmann; Guided waves in moving dispersive media—Part II: Relativistic velocities; *T-MTT v16 n1 Jan 68* 16-20
- Berger, Henry, and John W. E. Griemsmann; Transient electromagnetic guided wave propagation in moving media; *T-MTT v16 n10 Oct 68* 842-849
- Berger, Henry, Richard I. Harrison, and Stephen P. Denker; Power flow and energy storage in piezoelectric semiconductor devices; *T-MTT v18 n2 Feb 70* 105-111
- Bergfried, Dietrich E., see Garver, Robert V.; *T-MTT v20 n1 Jan 72* 61-69 (1F06)
- Bergman, J. O., and C. Christensen; Equivalent circuit for a lumped-element Y circulator (Corresp.); *T-MTT v16 n5 May 68* 308-310
- Bergmann, Saul M.; Spectral distribution of thermal noise in a gas discharge; *T-MTT v5 n4 Oct 57* 237-238
- Bergmann, Saul M.; One aspect of minimum noise figure microwave mixer design; *T-MTT v6 n3 Jul 58* 324-326
- Berkowitz, Gary C., and Frank S. Barnes; The effects of nonlinear membrane capacity on the interaction of microwave and radio frequencies with biological materials; *T-MTT v27 n2 Feb 79* 204-207 (2B03)
- Berman, C. M., see Cunitz, R. J.; *T-MTT v23 n3 Mar 75* 313-316 (1D05)
- Bernard, Nicole, see Courtois, Louis; *T-MTT v24 n3 Mar 76* 129-135 (1A03)
- Bernardi, P., and F. Valdoni; The impedance wall concept applied to a dielectrically loaded waveguide problem (Corresp.); *T-MTT v16 n2 Feb 68* 126-127
- Bernardi, P.; A tunable absorbing band-stop filter: The field rotation filter; *T-MTT v17 n2 Feb 69* 62-66
- Bernardi, P.; Improved mode filters for oversized rectangular waveguides (Corresp.); *T-MTT v17 n4 Apr 69* 237-238
- Bernardi, P., see Albani, M.; *T-MTT v20 n9 Sep 72* 630-631 (2C05)
- Bernardi, P., see Albani, M.; *T-MTT v22 n4 Apr 74* 446-450 (2C08)
- Bernardi, P., F. Bertolani, and F. Valdoni; Shuttle pulse measurement of mode coupling and conversion (Short p.); *T-MTT v24 n5 May 76* 264-266 (1C02)
- Bernardi, Paolo, Franco Giannini, and Roberto Sorrentino; Effects of the surroundings on electromagnetic-power absorption in layered-tissue media (Short p.); *T-MTT v24 n9 Sep 76* 621-625 (1F07)
- Bernardi, Paolo, Franco Bertolani, and Vittorio Rizzoli; Frequency-domain shuttle-pulse measurement of losses and mode conversion; *T-MTT v26 n3 Mar 78* 203-209 (1E13)
- Bernick, Robert L., see Chao, Chente; *T-MTT v25 n12 Dec 77* 985-991 (1B09)
- Bernick, Robert L., see Midford, Thomas A.; *T-MTT v27 n5 May 79* 483-492 (2B10)
- Bernstein, M. J., and Norman M. Kroll; Magnetron research at Columbia Radiation Laboratory; *T-MTT v2 n3 Sep 54* 33-37
- Bernsten, Svend, see Andersen, Jorgen Bach; *T-MTT v23 n7 Jul 75* 555-560 (1B03)
- Bernues, F. J., and D. M. Bolle; The digital twin-ferrite-toroid circular waveguide phaser (Short p.); *T-MTT v21 n12 Dec 73* 842-845 (3B09)
- Bernues, Francisco J., and Donald M. Bolle; The ferrite-loaded waveguide discontinuity program; *T-MTT v22 n12 Dec 74* 1187-1193 (3E13)
- Berquist, Ake; Wave propagation on nonuniform transmission lines (Short p.); *T-MTT v20 n8 Aug 72* 557-558 (2B12)
- Comments by Dutta Roy, S. C.; Feb 74 149-150
- Berry, Gerald G., see Wilson, William J.; *T-MTT v28 n3 Mar 80* 186-190
- Bers, A., see Chorney, P.; *T-MTT v15 n1 Jan 67* 58-59
- Berson, Bert, Guest ed., and H. J. Kuno Guest ed.; Foreword; *T-MTT v27 n5 May 79* 365-366 (1A03)
- Berson, Bertrand E., see Reynolds, James F.; *T-MTT v18 n11 Nov 70* 827-834
- Bert, Alain G., Bernard Epsztajn, and Gérard Kantorowicz; Signal processing by electron-beam interaction with piezoelectric surface waves; *T-MTT v21 n4 Apr 73* 255-263 (2E04)
- Bert, Alain G., and Didier Kaminsky; The traveling-wave divider/combiner; *T-MTT v28 n12 Dec 80* 1468-1473
- Bertolani, F., see Bernardi, P.; *T-MTT v24 n5 May 76* 264-266 (1C02)
- Bertolani, Franco, see Bernardi, Paolo; *T-MTT v26 n3 Mar 78* 203-209 (1E13)
- Bertoni, Henry L.; Piezoelectric Rayleigh wave excitation by bulk wave scattering; *T-MTT v17 n11 Nov 69* 873-882
- Bertoni, Henry L., see Ballato, Arthur; *T-MTT v22 n1 Jan 74* 14-25 (1B02)
- Bertoni, Henry L., see Peng, S. T.; *T-MTT v23 n1 Jan 75* 123-133. *Correction*, Aug 76 542 (2C04)
- Besse, Michel, see Gauthier, Francis; *T-MTT v25 n11 Nov 77* 904-907 (1C12)
- Bessho, Masaharu, see Hata, Masayasu; *T-MTT v28 n9 Sep 80* 951-962
- Betts, Foster, Donald H. Temme, and Jerald A. Weiss; A switching circulator: S-band; stripline; remanent; 15 kilowatts; 10 microseconds; temperature-stable; *T-MTT v14 n12 Dec 66* 665-669
- Bevensee, R. M., see Goblick, T. J., Jr.; *T-MTT v8 n5 Sep 60* 500-509
- Bevensee, R. M.; Lossy resonant slot coupling (Corresp.); *T-MTT v8 n6 Nov 60* 669-671
- Bex, H., and E. Schwartz; Performance limitations of lossy circulators (Corresp.); *T-MTT v19 n5 May 71* 493-494 (2C07)
- Beyer, J. B., see Lonngren, K. E.; *T-MTT v12 n5 Sep 64* 548-549
- Beyer, J. B., see Chaffin, R. J.; *T-MTT v12 n5 Sep 64* 555
- Beyer, J. B., see Lonngren, K. E.; *T-MTT v13 n2 Mar 65* 243-244
- Beyer, J. B., see Chaffin, R. J.; *T-MTT v16 n10 Oct 68* 878-879
- Beyer, James B., and Elmer H. Scheibe; Loss measurements of the beam waveguide; *T-MTT v11 n1 Jan 63* 18-22
- Beyer, James B., see Chaffin, Roger J.; *T-MTT v16 n1 Jan 68* 37-45
- Beyer, James B., see Franz, Michael; *T-MTT v26 n11 Nov 78* 861-865 (1B05)
- Beyer, James B., see Franz, Michael; *T-MTT v28 n3 Mar 80* 215-218
- Beynon, J. D. E., see Brooker, P. G.; *T-MTT v19 n10 Oct 71* 829-834. *Correction*, May 72 345 (1E03)
- Bhartia, P., and M. A. K. Hamid; Eigenvalues for a spherical cavity with an impedance wall (Corresp.); *T-MTT v19 n1 Jan 71* 110-111 (2F06)
- Bhartia, Prakash; Comments on 'Scattering by a ferrimagnetic circular cylinder in a rectangular waveguide' by Okamoto, N., et al.; *T-MTT v22 n11 Nov 74* 975
- Bhartia, Prakash, see Bahl, I. J.; *T-MTT v28 n6 Jun 80* 529-535
- Bhartia, Prakash, see Bahl, I. J.; *T-MTT v28 n11 Nov 80* 1205-1212
- Bhat, Bharathi, see Arora, Rajendra K.; *T-MTT v25 n1 Jan 77* 71-72 (1F03)
- Bhat, Bharathi, see Sharma, Arvind K.; *T-MTT v28 n6 Jun 80* 573-576
- Bhattacharyya, Tushar, Makoto Tsutsumi, and Nobuaki Kumagai; The piezoelectric-magnetoelastic wave propagation through the conducting plate in a composite medium (Short p.); *T-MTT v24 n4 Apr 76* 226-230 (1E08)
- Bhattacharyya, Tushar, see Tsutsumi, Makoto; *T-MTT v24 n9 Sep 76* 591-597 (1D05)
- Bianco, B., M. Parodi, and S. Ridella; Comments on 'Microstrip characteristic impedance' by Getsinger, W. J.; *T-MTT v28 n2 Feb 80* 152
- Bianco, Bruno, and Sandro Ridella; Nonconventional transmission zeros in distributed rectangular structures; *T-MTT v20 n5 May 72* 297-303 (1B03)
- Bianco, Bruno, Luigi Panini, Mauro Parodi, and Sandro Ridella; Some considerations about the frequency dependence of the characteristic impedance of uniform microstrips; *T-MTT v26 n3 Mar 78* 182-185 (1D06)
- Bielec, Marian, see Szmigielski, Stanislaw; *T-MTT v26 n8 Aug 78* 520-522 (1A06)
- Biersner, George, and David J. Kinsley; Generalized plots of mode patterns in a cylindrical dielectric waveguide applied to retinal cones; *T-MTT v13 n3 May 65* 345-356
- Comments, *T-MTT v13 n6 Nov 65* 884-885
- Binet, M., see Baudet, P.; *T-MTT v24 n6 Jun 76* 372-376 (2A06)
- Bini, M., L. Millanta, N. Rubino, and V. Tognetti; Time-delay limits set by dispersion in magnetostatic delay lines (Short p.); *T-MTT v20 n11 Nov 72* 771-773 (2B02)
- Birch, Robin D., see Collier, Richard J.; *T-MTT v28 n8 Aug 80* 932-935
- Bird, George R.; Proposal: The generation of coherent infrared radiation from a diffraction grating (Corresp.); *T-MTT v11 n5 Sep 63* 432
- Birdsall, Charles K., and Richard M. White; Experiments with the forbidden regions of open periodic structures: Application to absorptive filters; *T-MTT v12 n2 Mar 64* 197-202
- Birenbaum, Leo, see Kaplan, Ira T.; *T-MTT v19 n2 Feb 71* 168-173 (1E08)
- Birtles, A. B., and B. J. Mayo; Comments on 'Calculation of capacitance coefficients for a system of irregular finite conductors on a dielectric sheet' by Patel, P. D.; *T-MTT v21 n8 Aug 73* 568-569
- Bisio, G. R., L. Ronchi, and V. Tognetti; Some considerations about the diffraction loss of open resonators (Corresp.); *T-MTT v19 n5 May 71* 490-491 (2C04)
- Biss, Rita E., see Witt, Howard R.; *T-MTT v15 n4 Apr 67* 232-239
- Bittar, G., and Gy. Veszely; A general equivalent network of the input impedance of symmetric three-port circulators (Short p.); *T-MTT v28 n7 Jul 80* 807-808
- Black, Kenneth G., and Thomas J. Higgins; Rigorous determination of the parameters of microstrip transmission lines; *T-MTT v3 n2 Mar 55* 93-113
- Blackman, Carl F., see Hollis, Mark A.; *T-MTT v28 n7 Jul 80* 791-801
- Blake, C., and W. J. Ince; Tunnel diode burnout from the video transient of gaseous noise sources (Corresp.); *T-MTT v10 n1 Jan 62* 88
- Blake, Carl; The 1971 G-MTT National Lectureship; *T-MTT v19 n12 Dec 71* 898-899 (1B06)
- Bland, G. F., and Albert G. Franco; Phase-shift characteristics of dielectric loaded waveguide; *T-MTT v10 n6 Nov 62* 492-496
- Blaney, T. G., and D. J. E. Knight; Experiments on Josephson mixers for heterodyne reception at 0.3-mm wavelength (SUBMIL 4 Abstr.); *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Blank, S. J., and A. Hessel; Propagation on modulated corrugated rods (Corresp.); *T-MTT v12 n1 Jan 64* 146-147
- Blanken, R. A., see Brossier, P.; *T-MTT v22 n12 Dec 74* 1053-1056 (1F05)
- Blanken, R. A., P. Brossier, and D. S. Komm; A technique to measure submillimeter tokamak synchrotron-radiation spectra; *T-MTT v22 n12 Dec 74* 1057-1060 (1F09)
- Blattner, Donald J., see Siekanowicz, Wieslaw W.; *T-MTT v17 n9 Sep 69* 712-717
- Blau, R.; A microwave integrated circuit avalanche-diode oscillator (Corresp.); *T-MTT v16 n3 Mar 68* 196-197
- Bleackley, W. J., see Jull, E. V.; *T-MTT v17 n7 Jul 69* 397-399
- Blik, Patrick J., Lindsay C. Botten, Roger Deleuil, Ross C. McPhedran, and D. Maystre; Inductive grids in the region of diffraction anomalies: Theory, experiment, and applications; *T-MTT v28 n10 Oct 80* 1119-1125
- Bliss, Edward E., see Vaccaro, Frank E.; *T-MTT v19 n7 Jul 71* 609-616 (1E07)
- Block, Arthur, see Bura, P.; *T-MTT v16 n7 Jul 68* 424-428
- Bloom, A., see Bell, W. Earl; *T-MTT v7 n1 Jan 59* 95-98
- Blue, M. D., and S. Perkowitz; Reflectivity of common materials in the submillimeter region; *T-MTT v25 n6 Jun 77* 491-493 (1C11)
- Blume, Hans-Juergen C.; Noise calibration repeatability of an airborne third-generation radiometer (Ltr.); *T-MTT v25 n10 Oct 77* 852-855 (1D06)
- Boardman, A. D., see Baynam, A. C.; *T-MTT v21 n2 Feb 73* 111-113 (1E09)
- Boccon-Gibod, D., see Baudet, P.; *T-MTT v24 n6 Jun 76* 372-376 (2A06)

- Bolef, Dan I.**, and Peter F. Chester; Some techniques of microwave generation and amplification using electron spin states in solids; *T-MTT v6 n1 Jan 58* 47-52
- Boligiano, L. Paul, Jr.**; Quantum fluctuations in microwave radiometry; *T-MTT v9 n4 Jul 61* 315-321
- Bolinder, E. Folke**; Impedance and polarization-ratio transformations by a graphical method using the isometric circles; *T-MTT v4 n3 Jul 56* 176-180
- Bolinder, E. Folke**; The relationship of physical applications of Fourier transforms in various fields of wave theory and circuitry; *T-MTT v5 n2 Apr 57* 153-158
- Bolinder, E. Folke**; Note on impedance transformations by the isometric circle method (Corresp.); *T-MTT v6 n1 Jan 58* 111-112
- Bolle, D. M.**, see Eaves, R. E., Jr.; *T-MTT v18 n1 Jan 70* 66-68
- Bolle, D. M.**, see Eaves, R. E., Jr.; *T-MTT v18 n4 Apr 70* 231-232
- Bolle, D. M.**, and Leonard Lewin; On the definitions of parameters in ferrite-electromagnetic wave interactions (Ltr.); *T-MTT v21 n2 Feb 73* 118 (1F04)
- Bolle, D. M.**; On the solution of the circularly cylindrical coordinate wave equation in homogeneous isotropic regions containing the coordinate axis (Ltr.); *T-MTT v21 n3 Mar 73* 158-159 (1E05)
- Bolle, D. M.**, see Bernues, F. J.; *T-MTT v21 n12 Dec 73* 842-845 (3B09)
- Bolle, Donald M.**; Eigenvalues for a centrally loaded circular cylindrical cavity; *T-MTT v10 n2 Mar 62* 133-138
- Bolle, Donald M.**, and Gerald S. Heller; Theoretical considerations on the use of circularly symmetric TE modes for digital ferrite phase shifters; *T-MTT v13 n4 Jul 65* 421-426
- Bolle, Donald M.**, see Minor, James C.; *T-MTT v19 n7 Jul 71* 570-577 (1B04)
- Bolle, Donald M.**, see Bernues, Francisco J.; *T-MTT v22 n12 Dec 74* 1187-1193 (3E13)
- Bolle, Donald M.**, see Yeh, David T.; *T-MTT v23 n7 Jul 75* 585-588 (1D05)
- Bolle, Donald M.**, see Whicker, Lawrence R.; *T-MTT v23 n11 Nov 75* 908-918 (1E02)
- Bolle, Donald M.**, see Talisa, Salvador H.; *T-MTT v27 n6 Jun 79* 584-591 (1C02)
- Bolle, Donald M.**, and Salvador H. Talisa; The edge-guided mode nonreciprocal phase shifter; *T-MTT v27 n11 Nov 79* 878-882 (1A08)
- Bolljahn, J. T.**, see Jones, E. M. T.; *T-MTT v4 n2 Apr 56* 75-81
- Bolloch, Jean Pierre**, see Ramy, Jean-Pierre; *T-MTT v26 n10 Oct 78* 814-820 (2B06)
- Bolster, Morris F.**; A new type of circular polarizer using crossed dipoles; *T-MTT v9 n5 Sep 61* 385-388
- Bolus, J. J.**, see Tomiyasu, Kiyo; *T-MTT v4 n1 Jan 56* 33-36
- Bondyopadhyay, Probr K.**; Comments on 'Input impedance of coaxial line to circular waveguide feed'; *T-MTT v27 n3 Mar 79* 284-285 (1E14)
- Correction, T-MTT v27 n6 Jun 79* 621 (1E11)
- Bondyopadhyay, Probr K.**; Comments on 'Analysis of an end launcher for a circular cylindrical waveguide'; *T-MTT v27 n6 Jun 79* 621 (1E11)
- Bone, E. N.**, see Johnson, R. C.; *T-MTT v15 n11 Nov 67* 651-652
- Bonetti, René R.**, and Plinio Tissi; Analysis of planar disk networks; *T-MTT v26 n7 Jul 78* 471-477 (1B03)
- Bonfatti, Flavio**, Vito A. Monaco, and Paolo Tiberio; Microwave circuit analysis by sparse-matrix techniques; *T-MTT v22 n3 Mar 74* 264-269 (2B02)
- Bonfeld, M. D.**, D. F. Linn, and M. Omori; A novel strip-line circulator (Corresp.); *T-MTT v14 n2 Feb 66* 98-99
- Bongianni, W. L.**, J. Burnsweig, and J. H. Polson; Performance of ultra-bandwidth YIG pulse compression networks (Corresp.); *T-MTT v16 n12 Dec 68* 1061-1064
- Booth, R. L.**; A broad-band coaxial ferrite switch (Corresp.); *T-MTT v9 n5 Sep 61* 452-453
- Borg, Alan M.**, see Lords, James L.; *T-MTT v21 n12 Dec 73* 834-836 (3B01)
- Borgaonkar, S. R.**, and S. N. Rao; Broad-band coupling of high-Q resonant loads; *T-MTT v27 n7 Jul 79* 688-690 (1E06)
- Borgaonkar, S. R.**, and S. N. Rao; Comments on 'Broad-band coupling to high-Q resonant loads' by Reeder, T. M., and Sperry, W. R.; *T-MTT v28 n7 Jul 80* 809
- Borghese, Camillo**, see Roveda, Riccardo; *T-MTT v20 n2 Feb 72* 89-96 (1B03)
- Borkar, Suresh R.**, and Richard F. H. Yang; Capacitance of a circular disk for applications in microwave integrated circuits (Short p.); *T-MTT v23 n7 Jul 75* 588-591 (1D08)
- Borrego, J. M.**, see Gutmann, R. J.; *T-MTT v27 n12 Dec 79* 958-968 (1C06)
- Borth, David E.**, and Charles A. Cain; Theoretical analysis of acoustic signal generation in materials irradiated with microwave energy; *T-MTT v25 n11 Nov 77* 944-954 (2A01)
- Bosch, Berthold G.**, see Pollmann, Horst; *T-MTT v18 n11 Nov 70* 817-827
- Bosch, Berthold G.**, see Barabas, Udo; *T-MTT v24 n12 Dec 76* 929-935 (1C03)
- Bosch, Fridolin**, see Knerr, Reinhard H.; *T-MTT v18 n12 Dec 70* 1100-1108
- Bosch, Fridolin**, and Steven S. Cheng; Direct polar display of subnanosecond millimeter-wave switching at 300 Mbit/s; *T-MTT v26 n1 Jan 78* 24-27 (1B12)
- Bosma, Hendrik**; On stripline Y-circulation at UHF; *T-MTT v12 n1 Jan 64* 61-72
- Bostian, Charles W.**, W. L. Stutzman, E. A. Manus, P. H. Wiley, and R. E. Marshall; Depolarization measurements on the ATS-6 20-GHz downlink: A description of the VPI and SU experiment (Short p.); *T-MTT v23 n12 Dec 75* 1049-1052 (2A14)
- Botte, L.**, see Hanfling, J.; *T-MTT v20 n3 Mar 72* 233-235 (1D11)
- Botten, Lindsay C.**, see Blik, Patrick J.; *T-MTT v28 n10 Oct 80* 1119-1125
- Bottjer, Martin F.**, see Mukaihata, Tadao; *T-MTT v10 n6 Nov 62* 506-516
- Bottjer, Martin F.**, and Howard E. King; Top-wall and branch-waveguide hybrids for millimeter wavelengths (Corresp.); *T-MTT v20 n2 Feb 72* 182-184 (2E04)
- Bottjer, Martin F.**, see Vernon, Frank L., Jr.; *T-MTT v25 n4 Apr 77* 286-294 (1D06)
- Boudouris, G.**, see Ilias, D.; *T-MTT v9 n2 Mar 61* 144-152
- Bowden, C. M.**; Criteria for the observation of Dicke superradiance in the submillimeter wavelength region (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1119 (2D02)
- Bowers, Harold C.**, Thomas A. Midford, and Samuel T. Plants; IMPATT-diode multistage transmission amplifiers; *T-MTT v18 n11 Nov 70* 943-951
- Bowers, Harold C.**, see Obah, Chuka O. G.; *T-MTT v23 n12 Dec 75* 959-970. *Correction, Mar 76* 163 (1B07)
- Bowie, Duncan M.**, and Kenneth S. Kelleher; Rapid measurement of dielectric constant and loss tangent; *T-MTT v4 n3 Jul 56* 137-140
- Bowman, Ronald R.**, see Wacker, Paul F.; *T-MTT v19 n2 Feb 71* 178-187 (2B01)
- Bowman, Ronald R.**; A probe for measuring temperature in radio-frequency-heated material (Short p.); *T-MTT v24 n1 Jan 76* 43-45 (1D03)
- Boxer, A. S.**, S. Hershenow, and E. F. Landry; A high-power coaxial ferrite phase shifter (Corresp.); *T-MTT v9 n6 Nov 61* 577
- Boyd, C. R.**; Characteristic impedance of multilin transmission lines (Corresp.); *T-MTT v15 n8 Aug 67* 487-488
- Boyd, C. R., Jr.**, see Whicker, Lawrence R.; *T-MTT v19 n12 Dec 71* 944-945 (1F04)
- Boyd, Charles R., Jr.**; On a class of multiple-line directional couplers; *T-MTT v10 n4 Jul 62* 287-294
- Boyd, Charles R., Jr.**; A network model for transmission lines with gyromagnetic coupling; *T-MTT v13 n5 Sep 65* 652-662
- Boyd, Charles R., Jr.**, see Hord, William E.; *T-MTT v16 n11 Nov 68* 902-910
- Boyd, Charles R., Jr.**, Lawrence R. Whicker, and Robert W. Jansen; Study of insertion-phase variation in a class of ferrite phasers; *T-MTT v18 n12 Dec 70* 1084-1089
- Boyd, Charles R., Jr.**; A dual-mode latching reciprocal ferrite phase shifter; *T-MTT v18 n12 Dec 70* 1119-1124
- Boyd, Charles R., Jr.**, see Bell, H. Clark, Jr.; *T-MTT v22 n4 Apr 74* 360-364 (1A10)
- Boyd, Charles R., Jr.**; Comments on the design and manufacture of dual-mode reciprocal latching ferrite phase shifters; *T-MTT v22 n6 Jun 74* 593-601 (1A07)
- Boyet, H.**, S. Weisbaum, and I. Gerst; Design calculations for UHF ferrite circulators (Corresp.); *T-MTT v7 n4 Oct 59* 475-476
- Boyet, Howard**, see Weisbaum, Samuel; *T-MTT v5 n3 Jul 57* 194-198
- Bozarth, David L.**, see Snyder, Richard V., Jr.; *T-MTT v18 n1 Jan 70* 2-9
- Bozler, C. O.**, see Murphy, R. A.; *T-MTT v25 n6 Jun 77* 494-495 (1C14)
- Brackett, C. A.**; Peak ac voltage limitations in second-harmonically tuned IMPATT diodes (Corresp.); *T-MTT v18 n11 Nov 70* 992-993
- Bradley, E. H.**, and D. R. White Jr.; Bandpass filters using strip line techniques; *T-MTT v3 n2 Mar 55* 163-169
- Bradley, E. H.**; Design and development of strip-line filters; *T-MTT v4 n2 Apr 56* 86-93
- Bradley, H. L.**, see Batt, R. J.; *T-MTT v22 n12 Dec 74* 1089-1094 (2A14)
- Bradshaw, John A.**; Scattering from a round metal post and gap; *T-MTT v21 n5 May 73* 313-322 (1B03)
- Brady, M. M.**; Accurate measurements for dynamic representations of parametric amplifier varactor diodes (Corresp.); *T-MTT v13 n1 Jan 65* 133-135
- Brady, M. M.**; A plea for clarity in waveguide designation (Corresp.); *T-MTT v13 n2 Mar 65* 247-249
- Brady, M. Michael**; Second-harmonic effects in tuned reflectometers (Corresp.); *T-MTT v10 n1 Jan 62* 90-91
- Brady, M. Michael**; In-line waveguide calorimeter for high-power measurement; *T-MTT v10 n5 Sep 62* 357-366. *Correction, Mar 63* 152
- Brady, M. Michael**; Note on tabulations of constants for rigid hollow metal rectangular waveguide (Corresp.); *T-MTT v12 n2 Mar 64* 253-254
- Brady, M. Michael**; Rectangular waveguide flange nomenclature (Corresp.); *T-MTT v13 n4 Jul 65* 469-471
- Brady, M. Michael**; Rectangular waveguide-to-coaxial line transitions: 1968 (Corresp.); *T-MTT v17 n3 Mar 69* 170
- Bramanti, Mauro**, and Mario Calamia; A tapered waveguide-to-waveguide adapter (Corresp.); *T-MTT v17 n2 Feb 69* 116-118
- Brand, Frank A.**, see Jacobs, Harold; *T-MTT v8 n5 Sep 60* 553-559
- Brand, Frank A.**, see Jacobs, Harold; *T-MTT v12 n2 Mar 64* 163-170
- Brand, Frank A.**, see Baranowski, Joseph J.; *T-MTT v15 n12 Dec 67* 754-755
- Brand, H.**, and H. W. Fieweger; Ferromagnetic resonance linewidth and g-factor in ferrites from 2 to 18 Gc/s (Corresp.); *T-MTT v13 n5 Sep 65* 712-713
- Brannen, Eric**, see Froelich, Heinrich R.; *T-MTT v11 n5 Sep 63* 288-291
- Branner, G. R.**, E. R. Meyer, and P. O. Scheibe; Broad-band parametric amplifier design (Corresp.); *T-MTT v20 n2 Feb 72* 176-178 (2D10)
- Branner, George R.**, and Shu-Park Chan; A new technique for synthesis of broad-band parametric amplifiers; *T-MTT v21 n7 Jul 73* 437-444 (1B03)
- Branner, George R.**; Microwave circuit optimization employing exact algebraic partial derivatives (Short p.); *T-MTT v22 n3 Mar 74* 336-339 (3B06)
- Braut, Adelard L., Jr.**, see Ishii, Koryu; *T-MTT v10 n4 Jul 62* 258-262
- Braun, F. A.**, see Standley, R. D.; *T-MTT v18 n4 Apr 70* 232-233
- Breecher, J.**, see Perkowitz, S.; *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Breetz, Louis**, see Chao, Gene; *T-MTT v22 n10 Oct 74* 908-910 (1E06)
- Breithaupt, R. W.**; Cross polarization in a general two plate polarizer (Corresp.); *T-MTT v15 n1 Jan 67* 55-57
- Breithaupt, Robert W.**; Conductance data for offset series slots in stripline (Corresp.); *T-MTT v16 n11 Nov 68* 969-970
- Breitner, D. L.**, see Porter, W. A.; *T-MTT v22 n10 Oct 74* 894-896 (1D06)
- Brennan, Pierce A.**, see Guckel, Henry; *T-MTT v15 n8 Aug 67* 468-476
- Brennan, Pierce A.**, see Ruehli, Albert E.; *T-MTT v21 n2 Feb 73* 76-82 (1B10)
- Brenner, H. E.**; Large signal effects in parametric amplifiers (Corresp.); *T-MTT v15 n2 Feb 67* 118-119
- Brenner, H. E.**; Perturbations of the critical parameters of quarter-wave directional couplers (Corresp.); *T-MTT v15 n6 Jun 67* 384-385
- Brenner, H. E.**; Numerical solution of TEM-line problems involving inhomogeneous media (Corresp.); *T-MTT v15 n8 Aug 67* 485-487
- Brenner, Helmut E.**; Stabilization of the gain versus frequency characteristics of parametric amplifiers at high input signal levels; *T-MTT v15 n5 May 67* 290-294
- Brenner, Helmut E.**; A unilateral parametric amplifier; *T-MTT v15 n5 May 67* 301-306
- Bresler, A. D.**; Vector formulations for the field equations in anisotropic waveguides (Corresp.); *T-MTT v7 n2 Apr 59* 298
- Bresler, Aaron D.**; The far fields excited by a point source in a passive dissipationless anisotropic uniform waveguide; *T-MTT v7 n2 Apr 59* 282-287
- Bresler, Aaron D.**; On the TE_{m0} modes of a ferrite slab loaded rectangular waveguide and the associated thermodynamic paradox; *T-MTT v8 n1 Jan 60* 81-95
- Bridges, T. J.**, see Nguyen, V.-T.; *T-MTT v22 n12 Dec 74* 1117 (2C14)
- Brignall, N.**, see Wherrett, B. S.; *T-MTT v22 n12 Dec 74* 1100-1103 (2B11)
- Brodwin, M.**, and S. Kahn; Circulator action at 140 GHz in a semiconductor loaded waveguide junction (Corresp.); *T-MTT v15 n9 Sep 67* 530-531
- Brodwin, M. E.**, see Gabriel, G. J.; *T-MTT v14 n6 Jun 66* 292-293
- Brodwin, Morris E.**; Propagation in ferrite-filled microstrip; *T-MTT v6 n2 Apr 58* 150-155
- Brodwin, Morris E.**, see Beam, Robert E.; *T-MTT v7 n3 Jul 59* 308-325
- Brodwin, Morris E.**, and V. Ramaswamy; Continuously variable directional couplers in rectangular waveguide; *T-MTT v11 n2 Mar 63* 137-142
- Brodwin, Morris E.**, and Donald A. Miller; Propagation of the quasi-TEM mode in ferrite-filled coaxial line; *T-MTT v12 n5 Sep 64* 496-503
- Brodwin, Morris E.**, see Gabriel, Garabet J.; *T-MTT v13 n3 May 65* 364-370
- Brodwin, Morris E.**, see Gabriel, Garabet J.; *T-MTT v14 n6 Jun 66* 258-264
- Brodwin, Morris E.**, see Taflov, Allen; *T-MTT v23 n8 Aug 75* 623-630 (1B07)
- Brodwin, Morris E.**, see Taflov, Allen; *T-MTT v23 n11 Nov 75* 888-896 (1C10)
- Brodwin, Morris E.**, Allen Taflov, and John E. Matz; A passive electrodeless method for determining the interior field of biological materials; *T-MTT v24 n8 Aug 76* 514-521 (1B12)

- Bromaghin, Dan R.**, and John P. Perry; A wideband linear FM ramp generator for the long-range imaging radar; *T-MTT* v26 n5 May 78 322-325 (1A04)
- Brooke, R. L.**, see Cruz, J. E.; *T-MTT* v13 n4 Jul 65 477-478
- Brooke, Robert L.**, and José E. Cruz; Current distribution and impedance of lossless conductor systems; *T-MTT* v15 n6 Jun 67 358-364
- Brooker, P. G.**, and J. D. E. Bynnon; A 10-GHz single sideband modulator with 1-kHz frequency shift (Corresp.); *T-MTT* v19 n10 Oct 71 829-834. Correction, May 72 345 (1E03)
- Brossier, P.**, and R. A. Blanken; Interferometry at 337 μm on a tokamak plasma; *T-MTT* v22 n12 Dec 74 1053-1056 (1F05)
- Brossier, P.**, see Blanken, R. A.; *T-MTT* v22 n12 Dec 74 1057-1060 (1F09)
- Brown, F.**, S. Kronheim, and E. Silver; Tunable far infrared methyl fluoride laser using transverse optical pumping (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1117 (2C14)
- Brown, Fielding**, and Daniel R. Cohn; Development of megawatt-level narrow-band far-infrared lasers for plasma diagnostics (Ltr.); *T-MTT* v22 n12 Dec 74 1112-1113 (2C09)
- Brown, J.**, see Clark, J.; *T-MTT* v9 n3 May 61 267-269
- Brown, J.**, see Clark, J.; *T-MTT* v10 n1 Jan 62 84-85
- Brown, J.**, and J. Clark; Practical microwave power limiters (Corresp.); *T-MTT* v10 n1 Jan 62 85-86
- Brown, J.**, and J. Clark; A unique solid-state diplexer (Corresp.); *T-MTT* v10 n4 Jul 62 298
- Brown, J.**, see Clark, J.; *T-MTT* v11 n5 Sep 63 447-449
- Brown, J., Jr.**, see Willoughby, R. E.; *T-MTT* v12 n3 May 64 385-386
- Brown, John**; Report of advances in microwave theory and techniques in Great Britain—1958; *T-MTT* v7 n3 Jul 59 325-327
- Brown, John**; Report of advances in microwave theory and techniques in Great Britain—1959; *T-MTT* v8 n4 Jul 60 382-386
- Brown, John**; Comments on 'The impedance and scattering properties of a perfectly conducting strip above a plane surface-wave system'; *T-MTT* v22 n4 Apr 74 469 (2E03)
- Brown, John**; The impedance and scattering properties of a perfectly conducting strip above a plane surface-wave system; *T-MTT* v22 n4 Apr 74 469
- Brown, Julian, Jr.**, see Parks, J. K.; *T-MTT* v14 n12 Dec 66 688-694
- Brown, Norman J.**, see Ward, Charles S.; *T-MTT* v13 n6 Nov 65 801-805
- Brown, Norman J.**; Design concepts for high-power PIN diode limiting; *T-MTT* v15 n12 Dec 67 732-742
- Brown, P. V.**, see Larsen, Lawrence E.; *T-MTT* v27 n7 Jul 79 673-679 (1D05)
- Brown, Peter V. K.**, and Lawrence E. Larsen; Differing effects of pulsed and CW microwave energy upon nerve function as detected by birefringence measurement; *T-MTT* v28 n10 Oct 80 1126-1133
- Brown, Robert**, see Armstrong, B. Mervyn; *T-MTT* v28 n12 Dec 80 1437-1442
- Brown, Sanborn C.**; The interaction of microwaves with gas-discharge plasmas; *T-MTT* v7 n1 Jan 59 69-72
- Brown, W. C.**, see Hickernell, F. S.; *T-MTT* v21 n4 Apr 73 300-302 (3D05)
- Brown, Wilfred E., III**, see Haroules, George G.; *T-MTT* v16 n9 Sep 68 611-620
- Brown, William C.**; Adapting microwave techniques to help solve future energy problems; *T-MTT* v21 n12 Dec 73 753-763 (1B10)
- Browne, A.**; The feasibility of locating waveguide arcs by sound ranging (Corresp.); *T-MTT* v16 n10 Oct 68 894
- Brunner, F.**, W. Schott, and H. Daniel; Measurement of the electromagnetic-field components in a rectangular drift tube-loaded cavity using various perturbing objects (Short p.); *T-MTT* v23 n3 Mar 75 319-320 (1D11)
- Bruno, Saverio T.**, see Adam, Stephen F.; *T-MTT* v24 n12 Dec 76 995-997 (2B10)
- Bryan, J. G.**, and Fred J. Rosenbaum; A wide-band nearly constant susceptance waveguide element (Corresp.); *T-MTT* v19 n11 Nov 67 889-891 (1F01)
- Bryant, D. J.**, see Johnson, R. C.; *T-MTT* v9 n3 May 61 261
- Bryant, G. H.**, R. N. Franklin, and M. H. N. Potok; The equivalent circuit of a plasma (Corresp.); *T-MTT* v12 n4 Jul 64 469-470
- Bryant, J. H.**, and E. J. White; Attenuation and power-handling capability of helical radio-frequency lines (Abstr.); *T-MTT* v1 n2 Nov 53 33-38
- Bryant, Thomas G.**, and Jerald A. Weiss; Parameters of microstrip transmission lines and of coupled pairs of microstrip lines; *T-MTT* v16 n12 Dec 68 1021-1027
- Comments**, *T-MTT* v28 n11 Nov 80 1228-1229
- Bryant, Thomas G.**, see Weiss, Jerald A.; *T-MTT* v18 n9 Sep 70 595-601
- Bryant, Thomas G.**, and Jerald A. Weiss; MSTRIP (Parameters of microstrip) (Comp. progr. descr.); *T-MTT* v19 n4 Apr 71 418-419 (2D02)
- Buck, D.**, see Nelson, T.; *T-MTT* v18 n1 Jan 70 45-46
- Buck, Daniel C.**; Propagation in longitudinally magnetized ferrite-loaded waveguide; *T-MTT* v16 n12 Dec 68 1028-1033
- Buck, Daniel C.**, and Morrell L. King; Thermal stress-induced breakdown in an S-band isolator; *T-MTT* v26 n5 May 78 357-360 (1C11)
- Buck, G. J.**; Ferrite microstrip phase shifters with transverse and longitudinal magnetization (Corresp.); *T-MTT* v18 n12 Dec 70 1170-1173
- Buckman, A. B.**; Theory of an efficient electronic phase shifter employing a multilayer dielectric-waveguide structure; *T-MTT* v25 n6 Jun 77 480-483. Correction, Feb 78 127 (1B14)
- Buehler, G. V.**, and A. F. Eikenberg; A VHF high-power Y-circulator (Corresp.); *T-MTT* v9 n6 Nov 61 569-570
- Bui, Van Re**, and Réal R. J. Gagné; Comments on 'Longitudinal section mode analysis of dielectrically loaded rectangular waveguides with application to phase shifter design'; *T-MTT* v20 n6 Jun 72 421-422 (2C08)
- Bui, Van Re**, and Réal R. J. Gagné; Comments on papers dealing with dielectric-loaded rectangular waveguides (Short p.); *T-MTT* v20 n6 Jun 72 421-422 (2C08)
- Bui, Van Re**, and Réal R. J. Gagné; Dielectric losses in an H-plane-loaded rectangular waveguide (Short p.); *T-MTT* v20 n9 Sep 72 621-623 (2B08)
- Buizert, H.**; Circular polarization at millimeter waves by total internal reflection (Corresp.); *T-MTT* v12 n4 Jul 64 477-478
- Bujatti, M.**; Field measurements in a small cross section guide loaded with magnetized ferrite (Corresp.); *T-MTT* v13 n3 May 65 385-387
- Bulley, Raymond M.**, and J. Brian Davies; Computation of approximate polynomial solutions to TE modes in an arbitrarily shaped waveguide; *T-MTT* v17 n8 Aug 69 440-446
- Bulley, Raymond M.**; Analysis of the arbitrarily shaped waveguide by polynomial approximation; *T-MTT* v18 n12 Dec 70 1022-1028
- Bura, P.**, Raymond Camisa, Wen Y. Pan, Shui Yuan, and Arthur Block; Design considerations for an integrated 1.8-GHz parametric amplifier; *T-MTT* v16 n7 Jul 68 424-428
- Bura, P.**; MIC Ku-band upconverter (Short p.); *T-MTT* v21 n3 Mar 73 136-137 (1C06)
- Burdette, Everette C.**, Fred L. Cain, and Joseph Seals; *In vivo* probe measurement technique for determining dielectric properties at VHF through microwave frequencies; *T-MTT* v28 n4 Apr 80 414-427
- Burdick, G. A.**, see Horton, J. B.; *T-MTT* v16 n10 Oct 68 873-875
- Burgess, Alan S.**, and Peter H. Cole; Design of acoustic surface-wave devices using an admittance formalism; *T-MTT* v21 n10 Oct 73 611-618 (1C01)
- Burgess, D. D.**, see Costley, A. E.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Burke, T. F.**, see Gelnovatch, V. G.; *T-MTT* v16 n7 Jul 68 429-439
- Burman, R.**; Resonances of a cylindrical cavity in a lossy compressible plasma (Corresp.); *T-MTT* v14 n5 May 66 251-252
- Burman, R.**; On transverse electromagnetic wave propagation in a cylindrically stratified magnetoplasma (Corresp.); *T-MTT* v14 n5 May 66 253-254
- Burman, R.**; On the reflection of waves by a sinusoidally stratified half-space (Corresp.); *T-MTT* v15 n3 Mar 67 189-190
- Burman, R.**; Some electromagnetic wave functions for propagation along cylindrically stratified columns (Corresp.); *T-MTT* v16 n2 Feb 68 127-129
- Burns, Richard W.**, Russell L. Holden, and Raymond Tang; Low cost design techniques for semiconductor phase shifters; *T-MTT* v22 n6 Jun 74 675-688 (2A01)
- Burnsweig, J.**, see Bongiani, W. L.; *T-MTT* v16 n12 Dec 68 1061-1064
- Burnsweig, Joseph**, and J. Woodbridge; Ranging and data transmission using digital encoded FM-chirp surface acoustic wave filters; *T-MTT* v21 n4 Apr 73 272-279 (3B01)
- Burrus, Charles A.**, see Lee, Tien Pei; *T-MTT* v16 n5 May 68 287-296
- Burrus, Charles A., Jr.**; Backward diodes for low-level millimeter-wave detection; *T-MTT* v11 n5 Sep 63 357-362
- Burton, Robert W.**, and Ronald W. P. King; An experimental investigation of a two-slot transmission line on nonplanar surfaces; *T-MTT* v13 n3 May 65 303-306
- Buscher, H. T.**, R. M. McIntyre, and S. Mikuteit; Controllable liquid artificial dielectrics (Corresp.); *T-MTT* v19 n12 Dec 71 950-951 (1F10)
- Buscher, Harold T.**; Electrically controllable liquid artificial dielectric media; *T-MTT* v27 n5 May 79 540-545 (2F11)
- Bushore, K. R.**, see Teeter, W. L.; *T-MTT* v5 n4 Oct 57 227-229
- Bussey, H. E.**, and Leon A. Steinert; Exact solution for a gyromagnetic sample and measurements on a ferrite; *T-MTT* v6 n1 Jan 58 72-76
- Bussey, Howard E.**, see Estin, Arthur J.; *T-MTT* v8 n6 Nov 60 650-653
- Butler, J. K.**, and Hillel Unz; A ferrite-tuned coaxial cavity (Corresp.); *T-MTT* v11 n2 Mar 63 153
- Butler, Jerome K.**, see Scott, Marion W.; *T-MTT* v28 n3 Mar 80 235-238
- Butson, P. C.**, and M. H. Glover; A new microwave mixer suitable for use with very high intermediate frequencies (Corresp.); *T-MTT* v10 n2 Mar 62 147-148
- Butterweck, Hans-Jürgen**; Mode filters for oversized rectangular waveguides; *T-MTT* v16 n5 May 68 274-281
- Butterworth, J. Clark**, see Long, Maurice W.; *T-MTT* v11 n5 Sep 63 389-397
- Button, Kenneth J.**; Theoretical analysis of the operation of the field-displacement ferrite isolator; *T-MTT* v6 n3 Jul 58 303-308
- Button, Kenneth J.**, *Guest ed.*; Foreword—First International Conference on Submillimeter Waves and Their Applications; *T-MTT* v22 n12 Dec 74 981-982 (1A03)
- Button, Kenneth J.**, *Guest ed.*; Foreword—Part I: Detection and measurements—International Conference on Submillimeter-waves and Their Applications, 2nd, San Juan, PR, 1976; *T-MTT* v25 n6 Jun 77 455-456 (1A03)
- Buzzi, J. M.**, H. J. Doucet, B. Etlicher, J. C. Faure, P. Haldenwang, A. Huetz, H. Lamain, C. Rouillé, J. C. Cabé, J. Delvaux, J. C. Jouis, C. Peugeot, and M. Roche; Experimental evidence of relativistic Doppler frequency conversion on a relativistic electron beam front; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- Byrne, John F.**, and Charles F. Cook; Microwave type bolometer for submillimeter wave measurements; *T-MTT* v11 n5 Sep 63 379-384

C

- Cabé, J. C.**, see Buzzi, J. M.; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- Cacheris, John C.**, and Herbert A. Dropkin; Compact microwave single-sideband modulator using ferrites; *T-MTT* v4 n3 Jul 56 152-155
- Cachier, Gérard**, Jacques Espagnol, and Jean Stévanec; Millimeter-wave pretuned modules; *T-MTT* v27 n5 May 79 505-510 (2D04)
- Cain, Charles A.**, see Borth, David E.; *T-MTT* v25 n11 Nov 77 944-954 (2A01)
- Cain, Charles A.**, see Lai, Ping-Kwong; *T-MTT* v26 n8 Aug 78 530-534 (1B02)
- Cain, Charles A.**, see Piontek, Gerald E.; *T-MTT* v26 n8 Aug 78 535-540 (1B07)
- Cain, Charles A.**; A theoretical basis for microwave and RF field effects on excitable cellular membranes; *T-MTT* v28 n2 Feb 80 142-147
- Cain, F. L.**, see Johnson, R. C.; *T-MTT* v15 n11 Nov 67 651-652
- Cain, Fred L.**, see Burdette, Everette C.; *T-MTT* v28 n4 Apr 80 414-427
- Calamia, Mario**, see Bramanti, Mauro; *T-MTT* v17 n2 Feb 69 116-118
- Calcaterra, Mark C.**, see Whalen, James J.; *T-MTT* v27 n12 Dec 79 1026-1031 (2A05)
- Caldwell, Lynn R.**, see Lin, James C.; *T-MTT* v25 n10 Oct 77 833-836 (1C01)
- Calocchia, Ernest M.**, see Archer, John W.; *T-MTT* v28 n7 Jul 80 786-791
- Cambrell, G. K.**, see Carson, C. T.; *T-MTT* v14 n10 Oct 66 497-498
- Cambrell, Gregory K.**, see Sinnott, Donald H.; *T-MTT* v17 n8 Aug 69 464-478
- Cambrell, Gregory K.**, see Williams, C. G.; *T-MTT* v22 n3 Mar 74 329-330 (3A13)
- Cameron, Richard J.**, see Rhodes, John David; *T-MTT* v28 n9 Sep 80 1018-1028
- Camisa, Raymond**, see Bura, P.; *T-MTT* v16 n7 Jul 68 424-428
- Camisa, Raymond L.**, see Giannini, Richard J.; *T-MTT* v19 n7 Jul 71 622-627 (2B01)
- Camisa, Raymond L.**, and Franco N. Sechi; Common-drain flip-chip GaAs FET oscillators; *T-MTT* v27 n5 May 79 391-394 (1C01)
- Campbell, James J.**, and William R. Jones; Symmetrically truncated right-angle corners in parallel-plate and rectangular waveguides; *T-MTT* v16 n8 Aug 68 517-529
- Campbell, James J.**, and William R. Jones; Impedance characteristics of a class of multiconductor transmission lines; *T-MTT* v17 n2 Feb 69 101-107
- Campbell, James J.**, see Lee, Shung Wu; *T-MTT* v19 n6 Jun 71 528-536 (1D04)
- Cap, Ferdinand**, and Rudolph Deutsch; Toroidal resonators for electromagnetic waves; *T-MTT* v26 n7 Jul 78 478-486 (1B10)
- Cap, Ferdinand**, and Rudolph Deutsch; Toroidal resonators for electromagnetic waves—II; *T-MTT* v28 n7 Jul 80 700-703
- Capone, B. R.**, see Masters, J. L.; *T-MTT* v8 n5 Sep 60 565-566
- Capone, B. R.**, see Gianino, P. D.; *T-MTT* v8 n5 Sep 60 569

- Caputo, J., and F. Bell; Waffle-iron harmonic suppression filter (Corresp.); *T-MTT v13 n5 Sep 65* 701-703
- Carcia, P. F., see Whicker, L. R.; *T-MTT v15 n12 Dec 67* 755-757
- Cardama, Angel, and Edward T. Kornhauser; Modal analysis of coupling problems in optical fibers; *T-MTT v23 n1 Jan 75* 162-169 (2F01)
- Cardiasmenos, Apostole G., see Yngvesson, K. Sigfrid; *T-MTT v24 n11 Nov 76* 711-717 (1C03)
- Cardiasmenos, Apostole G., James F. Shanley, and K. Sigfrid Yngvesson; A traveling-wave maser amplifier for 85-90 GHz using a slot-fed guide slow-wave circuit; *T-MTT v24 n11 Nov 76* 725-730 (1D03)
- Carli, B.; Design of a blackbody reference standard for the submillimeter region; *T-MTT v22 n12 Dec 74* 1094-1099 (1B05)
- Carli, Edoardo, and Tullio Corzani; On the existence range of the S parameters of a passive two-port network (Short p.); *T-MTT v22 n9 Sep 74* 835-837 (1B03)
- Carlile, R. N.; Quasi-TE₁₁ modes in an anisotropic plasma waveguide (Corresp.); *T-MTT v14 n7 Jul 66* 350-351
- Carlín, H. J., see Sucher, Max; *T-MTT v3 n4 Jul 55* 45-52
- Carlín, H. J., see Sucher, Max; *T-MTT v6 n2 Apr 58* 188-194
- Carlín, Herbert J., and Werner E. Kohler; Direct synthesis of band-pass transmission line structures; *T-MTT v13 n3 May 65* 283-297
- Carlín, Herbert J., and Om P. Gupta; Computer design of filters with lumped-distributed elements or frequency variable terminations; *T-MTT v17 n8 Aug 69* 598-604
- Carlín, Herbert J.; A simplified circuit model for microstrip (Short p.); *T-MTT v21 n9 Sep 73* 589-591 (1C07)
- Carlín, Herbert J., and Pier P. Civalleri; A coupled-line model for dispersion in parallel-coupled microstrips (Short p.); *T-MTT v23 n5 May 75* 444-446 (1D04)
- Carlín, Herbert J., see Komiak, James; *T-MTT v24 n4 Apr 76* 212-215 (1D08)
- Carlín, Herbert J., and James J. Komiak; A new method of broad-band equalization applied to microwave amplifiers; *T-MTT v27 n2 Feb 79* 93-99 (1A03)
- Carlisle, Thomas P.; X-band high-power multipactor receiver protector; *T-MTT v26 n5 May 78* 345-347 (1B13)
- Carlson, Eric; A broadband microstrip crystal mixer with integral DC return; *T-MTT v3 n2 Mar 55* 175-177
- Carlson, Eric R., Martin V. Schneider, and Thomas F. McMaster; Subharmonically pumped millimeter-wave mixers; *T-MTT v26 n10 Oct 78* 706-715 (1A04)
- Carlson, H. E., see Fleming, Paul L.; *T-MTT v27 n12 Dec 79* 1032-1035 (2A11)
- Carpenter, Russell L., and Elliot M. Livstone; Evidence for nonthermal effects of microwave radiation: Abnormal development of irradiated insect pupae; *T-MTT v19 n2 Feb 71* 173-178 (1F01)
- Carr, J. W.; Transverse electric resonances in a coaxial line containing two cylinders of different dielectric constant; *T-MTT v3 n4 Jul 55* 41-44
- Carr, J. William; The stabilization of mixer diode performance against L.O. power changes with optimum dc bias; *T-MTT v11 n2 Mar 63* 123-129
- Carr, Paul H.; The generation and propagation of acoustic surface waves at microwave frequencies; *T-MTT v17 n11 Nov 69* 844-855
- Carroll, J. E.; Analytic theory for the Evans circuit for avalanche diodes (Corresp.); *T-MTT v18 n11 Nov 70* 977-979
- Carson, C. T., and G. K. Cambrell; Upper and lower bounds on the characteristic impedance of TEM mode transmission lines (Corresp.); *T-MTT v14 n10 Oct 66* 497-498
- Carson, C. T.; The numerical solution of TEM mode transmission lines with curved boundaries (Corresp.); *T-MTT v15 n4 Apr 67* 269-270
- Carson, C. T.; The numerical solution of waveguide problems by fast Fourier transforms (Corresp.); *T-MTT v16 n11 Nov 68* 955-958
- Carson, C. T., see Wynn, D. C.; *T-MTT v22 n5 May 74* 556-559 (2B01)
- Carson, Cyril T., see Sinnott, Donald H.; *T-MTT v17 n8 Aug 69* 464-478
- Carson, J. W.; A new type of quasi-optical waveguide component (Corresp.); *T-MTT v18 n1 Jan 70* 57-58
- Carter, J. L., S. Dixon Jr., and I. Reingold; Dependence of the resonance linewidth of microwave ferromagnetic materials on incident RF power (Corresp.); *T-MTT v9 n2 Mar 61* 195-197
- Carter, John L., and Joseph W. McGowan; X-band ferrite-varactor limiter (Corresp.); *T-MTT v17 n4 Apr 69* 231-232
- Carter, John L., and Joseph W. McGowan; A laminar subsidiary-resonance limiter (Corresp.); *T-MTT v18 n9 Sep 70* 652-654
- Carter, P. S., see Sato, Y.; *T-MTT v10 n6 Nov 62* 611-612
- Carter, P. S., Jr., and C. Flammer; Unloaded Q of single crystal yttrium-iron-garnet resonator as a function of frequency (Corresp.); *T-MTT v8 n5 Sep 60* 570
- Carter, Philip S.; Side-wall-coupled, strip-transmission-line magnetically tunable filters employing ferrimagnetic YIG resonators; *T-MTT v13 n3 May 65* 306-315
- Carter, Philip S.; Equivalent circuit of orthogonal-loop-coupled magnetic resonance filters and bandwidth narrowing due to coupling inductance; *T-MTT v18 n2 Feb 70* 100-105
- Carter, Philip S., Jr.; Magnetically-tunable microwave filters using single-crystal yttrium-iron-garnet resonators; *T-MTT v9 n3 May 61* 252-260
- Caruso, Giuseppe, and Mario Sannino; Analysis of frequency-conversion techniques in measurements of microwave transistor noise temperatures; *T-MTT v25 n11 Nov 77* 870-873 (1A06)
- Caruso, Giuseppe, and Mario Sannino; Computer-aided determination of microwave two-port noise parameters; *T-MTT v26 n9 Sep 78* 639-642 (1A13)
- Caruso, Giuseppe, and Mario Sannino; Determination of microwave two-port noise parameters through computer-aided frequency-conversion techniques; *T-MTT v27 n9 Sep 79* 779-783 (1A13)
- Casey, K. F.; A note on wave propagation in periodic media (Corresp.); *T-MTT v13 n5 Sep 65* 710-711
- Casey, K. F.; On inhomogeneously filled rectangular waveguides (Short p.); *T-MTT v21 n8 Aug 73* 566-567 (2C12)
- Casey, Kendall F., Jr., see Yeh, Cavour W. H.; *T-MTT v13 n3 May 65* 297-302
- Cassedy, E. S.; Temporal instabilities in traveling-wave parametric amplifiers (Corresp.); *T-MTT v10 n1 Jan 62* 86-87
- Cassedy, Edward S., and Marvin Cohn; On the existence of leaky waves due to a line source above a grounded dielectric slab; *T-MTT v9 n3 May 61* 243-247
- Cassedy, Edward S., Jr., see Cohn, Marvin; *T-MTT v8 n5 Sep 60* 545-552
- Castagnetto, L., and J. C. Matheau; Some remarks concerning 'Conditions for maximum power transfer'; *T-MTT v11 n2 Mar 63* 153-154
- Castaing, B., see Goy, P.; *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Castelli, John P., Donald A. Guidice, and Paul M. Kalaghan; Millimeter wave solar observations (Short p.); *T-MTT v22 n12 Dec 74* 1292-1299 (5A12)
- Castillo, Joseph B., Jr., and Lionel E. Davis; Computer-aided design of three-port waveguide junction circulators; *T-MTT v18 n1 Jan 70* 25-34
- Castillo, Joseph B., Jr., and Lionel E. Davis; Identification of spurious modes in circulators (Corresp.); *T-MTT v19 n1 Jan 71* 112-113 (3B01)
- Castillo, Joseph B., Jr., and Lionel E. Davis; A higher-order approximation for waveguide circulators (Short p.); *T-MTT v20 n6 Jun 72* 410-412
- Castro, Alfredo A., and Fred P. Ziolkowski; Generation of millimeter-wave signals of high spectral purity; *T-MTT v24 n11 Nov 76* 780-786 (2A13)
- Caswell, W. E., and R. F. Schwartz; The directional coupler—1966 (Corresp.); *T-MTT v15 n2 Feb 67* 120-123
- Catravas, George N., see Oliva, Stephen A.; *T-MTT v25 n5 May 77* 433-436 (1G09)
- Cattarin, Giuseppe, see Roveda, Riccardo; *T-MTT v20 n2 Feb 72* 89-96 (1B03)
- Cattarin, Giuseppe, and Riccardo Roveda; Dissipative parameters in ferrites and insertion losses in stripline Y circulators below resonance (Ltr.); *T-MTT v22 n7 Jul 74* 752-754 (1D04)
- Catuna, George W., see Heller, Gerald S.; *T-MTT v6 n1 Jan 58* 97-100
- Caulfield, J. B., see Thompson, J. E.; *T-MTT v26 n8 Aug 78* 573-580 (1E03)
- Caulton, Martin, see Daly, Daniel A.; *T-MTT v15 n12 Dec 67* 713-721
- Caulton, Martin, Stanley P. Knight, and Daniel A. Daly; Hybrid integrated lumped-element microwave amplifiers; *T-MTT v16 n7 Jul 68* 397-404
- Caulton, Martin, Bernard Hershenov, Stanley P. Knight, and Robert E. DeBrecht; Status of lumped elements in microwave integrated circuits—Present and future; *T-MTT v19 n7 Jul 71* 588-599 (1C10)
- Caulton, Martin, see De Marinis, Bernard D.; *T-MTT v24 n12 Dec 76* 904-909 (1A06)
- Cawsey, D., see Owens, R. P.; *T-MTT v18 n11 Nov 70* 790-798
- Celestini, A. C., see Davis, M. E.; *T-MTT v21 n9 Sep 73* 594-596 (1C12)
- Censor, Dan; First-order propagation in moving media (Corresp.); *T-MTT v16 n8 Aug 68* 565-566
- Censor, Dan, see Nathan, Amos; *T-MTT v16 n10 Oct 68* 883-884
- Censor, Dan; Scattering of electromagnetic waves by a cylinder moving along its axis; *T-MTT v17 n3 Mar 69* 154-158
- Censor, Dan; Propagation and scattering in radially flowing media; *T-MTT v17 n7 Jul 69* 374-378
- Cermak, I. A., J. P. Legendre, and P. Silvester; Contour plotting routine for line printers; *T-MTT v17 n8 Aug 69* 652-653
- Cermak, I. A., P. Silvester, and S. K. Wong; Capacitance determination for infinite interdigital structures; *T-MTT v18 n2 Feb 70* 116
- Cermak, Ivan A., see Silvester, P.; *T-MTT v17 n8 Aug 69* 489-495
- Cermak, Ivan A., William J. Getsinger, Bernard W. Leake, André S. Vander Vorst, and Dan Varon; The status of computer-oriented microwave practices (Panel disc.); *T-MTT v22 n3 Mar 74* 155-160 (1A05)
- Chadha, Rakesh, and K. C. Gupta; Green's functions for triangular segments in planar microwave circuits (Short p.); *T-MTT v28 n10 Oct 80* 1139-1143
- Chaffin, R. J., and J. B. Beyer; A low-loss launcher for the beam waveguide (Corresp.); *T-MTT v12 n5 Sep 64* 555
- Chaffin, R. J., and J. B. Beyer; Diagnostics of an anisotropic plasma with a microwave Fabry-Perot resonator (Corresp.); *T-MTT v16 n10 Oct 68* 878-879
- Chaffin, R. J.; A proposed circuit model for microstripline TRAPATT oscillators (Corresp.); *T-MTT v18 n11 Nov 70* 983-985
- Chaffin, R. J.; High-power TRAPATT oscillations from parallel-connected low-cost diodes (Corresp.); *T-MTT v18 n11 Nov 70* 985-986
- Chaffin, Roger J., see Leighton, William H.; *T-MTT v21 n12 Dec 73* 809-814 (2C07)
- Chaffin, Roger J., and James B. Beyer; Plasma diagnostics with a microwave Fabry-Perot resonator; *T-MTT v16 n1 Jan 68* 37-45
- Chaffin, Roger J.; The effect of neutron radiation on an IMPATT diode (Corresp.); *T-MTT v17 n2 Feb 69* 119-120
- Chaffin, Roger J.; Grid-separated microwave triode oscillators—analysis and design (Corresp.); *T-MTT v19 n1 Jan 71* 91-93 (2D11)
- Chait, H. N., see Sakiotis, N. G.; *T-MTT v1 n2 Nov 53* 11-16
- Chait, Herman N., and Nicholas G. Sakiotis; Broad-band ferrite rotators using quadruply-ridged circular waveguide; *T-MTT v7 n1 Jan 59* 38-41
- Chakraborty, Ajoy, and Gitindra S. Sanyal; Transmission matrix of a linear double taper in rectangular waveguides; *T-MTT v28 n6 Jun 80* 577-579
- Chakraborty, D.; Group delay characteristics of a nondegenerate parametric amplifier (Corresp.); *T-MTT v17 n9 Sep 69* 720-722
- Chamberlain, J., see Costley, A. E.; *T-MTT v22 n12 Dec 74* 1119 (2D02)
- Chamberlain, John, M. N. Afsar, Graham J. Davies, John B. Hasted, and M. S. Zafar; High-frequency dielectric processes in liquids; *T-MTT v22 n12 Dec 74* 1028-1032 (1D08)
- Chambers, W. G., see Parker, T. J.; *T-MTT v22 n12 Dec 74* 1032-1036 (1D12)
- Champlin, K. S., see Holm, J. D.; *T-MTT v15 n2 Feb 67* 123-124
- Champlin, K. S., and G. H. Glover; 'Gap effect' in measurement of large permittivities (Corresp.); *T-MTT v14 n8 Aug 66* 397-398
- Champlin, Keith S., and Robert R. Krongard; The measurement of conductivity and permittivity of semiconductor spheres by an extension of the cavity perturbation method; *T-MTT v9 n6 Nov 61* 545-551
- Champlin, Keith S., and Donald B. Armstrong; Waveguide perturbation techniques in microwave semiconductor diagnostics; *T-MTT v11 n1 Jan 63* 73-77
- Champlin, Keith S., see Hauge, Peter S.; *T-MTT v15 n7 Jul 67* 406-410
- Champlin, Keith S., John D. Holm, and Donald B. Armstrong; Analysis and calibration of a reflection coefficient bridge for use with any waveguide mode (Corresp.); *T-MTT v15 n8 Aug 67* 477-478
- Champlin, Keith S., Gary H. Glover, John D. Holm, and Nicholas A. Patrin; Calibrated reflection coefficient standards for the circular TE₀₁ mode; *T-MTT v16 n2 Feb 68* 90-94
- Champlin, Keith S.; Use of symmetry in the variational treatment of a magnetoplasma-filled waveguide (Corresp.); *T-MTT v17 n7 Jul 69* 401
- Comments by Vassallo, Charles, Mar 71 338-339
- Champlin, Keith S., and Gary H. Glover; 'Twist' modes in magnetoplasma-filled circular waveguides; *T-MTT v18 n9 Sep 70* 566-570
- Champlin, Keith S., see Glover, Gary H.; *T-MTT v18 n9 Sep 70* 570-575
- Champlin, Keith S., and Gadi Eisenstein; Cutoff frequency of submillimeter Schottky-barrier diodes; *T-MTT v26 n1 Jan 78* 31-34 (1C05)
- Chan, C. K.; A stable microwave integrated circuit X-band Gunn oscillator (Ltr.); *T-MTT v22 n8 Aug 74* 815 (1E05)
- Chan, Shu-Park, see Branner, George R.; *T-MTT v21 n7 Jul 73* 437-444 (1B03)
- Chang, C. T. M.; Application of Deschamps' graphical method to measurements of the scattering coefficients of multiport waveguide junctions (Corresp.); *T-MTT v20 n2 Feb 72* 186-187 (2E08)
- Chang, C. T. M.; Partially dielectric-slab-filled waveguide phase shifter; *T-MTT v22 n5 May 74* 481-485 (1A03)

- Chang, C. T. M.; Computation of the equivalent circuit parameters for a junction between empty and side-slab-filled rectangular waveguides (REACTANS) (Computer program descr.); *T-MTT* v22 n5 May 74 585 (2D02)
- Chang, Chi-Pin, see Tuan, Hang-Sheng; *T-MTT* v20 n7 Jul 72 472-477 (2B01)
- Chang, Chi-Pin, and Hang-Sheng Tuan; On the surface-to-bulk mode conversion of Rayleigh waves (Short p.); *T-MTT* v21 n8 Aug 73 558-560 (2C04)
- Chang, Christopher T. M.; Circular waveguides lined with artificial anisotropic dielectrics; *T-MTT* v20 n8 Aug 72 517-523 (1D03)
- Chang, Christopher T. M.; Equivalent circuit for partially dielectric-filled rectangular-waveguide junctions; *T-MTT* v21 n6 Jun 73 403-411 (1E01)
- Chang, David C., see Kuester, Edward F.; *T-MTT* v23 n1 Jan 75 98-106 (2A07)
- Chang, David C., see Kuester, Edward F.; *T-MTT* v23 n11 Nov 75 877-882 (1B13)
- Chang, David C., see Kuester, Edward F.; *T-MTT* v23 n11 Nov 75 882-887 (1C04)
- Chang, David C., see Tippet, John C.; *T-MTT* v24 n9 Sep 76 602-604 (1E02)
- Chang, David C., see Kuester, Edward F.; *T-MTT* v25 n12 Dec 77 1065-1069 (2A11)
- Chang, David C., see Tippet, John C.; *T-MTT* v26 n11 Nov 78 876-883 (1C06)
- Chang, David C., see Kuester, Edward F.; *T-MTT* v27 n7 Jul 79 691-694 (1E09)
- Chang, David C., see Kuester, Edward F.; *T-MTT* v28 n3 Mar 80 254-259. Addendum, Oct 80 1143
- Chang, David C., see Kuester, Edward F.; *T-MTT* v28 n3 Mar 80 259-265
- Chang, Feng-Cheng, see Yee, Hung Yuet; *T-MTT* v18 n10 Oct 70 682-688
- Chang, Feng-Cheng, and Harold Mott; Exact design of stepped-impedance transformers (Short p.); *T-MTT* v20 n9 Sep 72 620-621 (2B07)
- Chang, Fung Yuel; Transient analysis of lossless coupled transmission lines in a nonhomogeneous dielectric medium; *T-MTT* v18 n9 Sep 70 616-626
- Chang, I. C.; Note on perturbation analysis of guided waves in inhomogeneous media (Corresp.); *T-MTT* v16 n4 Apr 68 260
- Chang, K. K. N., see Chase, P. E.; *T-MTT* v11 n6 Nov 63 560-561
- Chang, Kai, and Peter J. Khan; Analysis of a narrow capacitive strip in waveguide; *T-MTT* v22 n5 May 74 536-541 (1E02)
- Chang, Kai, and Peter J. Khan; Coupling between narrow transverse inductive strips in waveguide; *T-MTT* v24 n2 Feb 76 101-105 (1C07)
- Chang, Kai, and Peter J. Khan; Equivalent circuit of a narrow axial strip in waveguide (Short p.); *T-MTT* v24 n9 Sep 76 611-615 (1E11)
- Chang, Kai, and Roy L. Ebert; W-band power combiner design; *T-MTT* v28 n4 Apr 80 295-305
- Chang, Kern K. N., see Prager, H. John; *T-MTT* v18 n11 Nov 70 956-963
- Chang, Nion S., see Masuda, Masamitsu; *T-MTT* v22 n2 Feb 74 132-135 (1D12)
- Chang, Nion S., see Yamada, Syoji; *T-MTT* v25 n7 Jul 77 600-605 (1C08)
- Chang, Nion Sock, see Masuda, Masamitsu; *T-MTT* v19 n10 Oct 71 834-836 (1E08)
- Chang, Nion Sock, see Okazaki, Kaoru; *T-MTT* v24 n8 Aug 76 527-529 (1C11)
- Chang, Ray-Sun, see Smith, Charles E.; *T-MTT* v28 n2 Feb 80 90-94
- Chang, T. S., see Waldman, J.; *T-MTT* v22 n12 Dec 74 1117 (2C14)
- Chang, T. Y.; Optically pumped submillimeter-wave sources; *T-MTT* v22 n12 Dec 74 983-988 (1A05)
- Chang, W. H.; Analytical IC metal-line capacitance formulas (Short p.); *T-MTT* v24 n9 Sep 76 608-611. Correction, Aug 77 712 (1E08)
- Chang, William S. C., see Angulo, Carlos M.; *T-MTT* v6 n4 Oct 58 389-393
- Chang, William S. C., see Williams, Richard A.; *T-MTT* v11 n6 Nov 63 513-522
- Chang, William S. C.; Periodic structures and their application in integrated optics; *T-MTT* v21 n12 Dec 73 775-785 (1D08)
- Chang, William S. C., see Sopori, B. L.; *T-MTT* v22 n7 Jul 74 754-755 (1D06)
- Chang, William S. C.; Integrated optics at 10.6- μ m in wavelength; *T-MTT* v23 n1 Jan 75 31-44 (1C05)
- Chang, Yu-Wen, H. J. Kuno, and David L. English; High data-rate solid-state millimeter-wave transmitter module; *T-MTT* v23 n6 Jun 75 470-477 (1A12)
- Chang, Yu-Wen, see Paul, Jeffrey A.; *T-MTT* v26 n10 Oct 78 751-754 (1D07)
- Chantray, G. W.; Dielectric measurements in the submillimeter region and a suggested interpretation of the Poley absorption; *T-MTT* v25 n6 Jun 77 496-500 (1D02)
- Chantray, G. W., see Afsar, M. N.; *T-MTT* v25 n6 Jun 77 509-511 (1E01)
- Chao, Cheng Lee; A note on varactor frequency tripler (Corresp.); *T-MTT* v13 n2 Mar 65 256-258
- Chao, Cheng Lee; Frequency doublers using varactors exhibiting 'punchthrough' capacitance-voltage behavior (Corresp.); *T-MTT* v14 n1 Jan 66 43-45
- Chao, Chente, and George I. Haddad; Nonlinear behavior and bias modulation of an IMPATT diode oscillator; *T-MTT* v21 n10 Oct 73 619-630 (1C09)
- Chao, Chente, Robert L. Bernick, Edward M. Nakaji, Robert S. Ying, Kenneth P. Weller, and Don H. Lee; Y-band (170-260 GHz) tunable CW IMPATT diode oscillators; *T-MTT* v25 n12 Dec 77 985-991 (1B09)
- Chao, Gene; A matched microwave limiter (Corresp.); *T-MTT* v18 n5 May 70 283-284
- Chao, Gene; A wide-band variable microwave coupler; *T-MTT* v18 n9 Sep 70 576-583
- Chao, Gene, and Louis Breetz; Surface acoustic wave UHF interferometer (Ltr.); *T-MTT* v22 n10 Oct 74 908-910 (1E06)
- Chapell, Harry F.; Binary power-divider design approach (Ltr.); *T-MTT* v22 n5 May 74 580-581 (2C11)
- Chapman, Adrian G., and Colin S. Aitchison; A broad-band model for a coaxial-to-stripline transition; *T-MTT* v28 n2 Feb 80 130-136
- Chapman, Frederick W.; A reflex klystron amplifier for microwave spectroscopy (Corresp.); *T-MTT* v11 n2 Mar 65 150-152
- Chapman, R. M.; Microwave repeater site planning and development; *T-MTT* v2 n1 Apr 54 16-31
- Charalambous, C., see Bandler, John W.; *T-MTT* v24 n2 Feb 76 116-119 (1D08)
- Charalambous, C., see Bandler, John W.; *T-MTT* v24 n8 Aug 76 543 (1D13)
- Charalambous, Christakis, see Bandler, John W.; *T-MTT* v20 n9 Sep 72 596-604 (1D10)
- Charalambous, Christakis, see Bandler, John W.; *T-MTT* v20 n12 Dec 72 834-840 (1E09)
- Charalambous, Christakis, and John W. Bandler; New algorithms for network optimization; *T-MTT* v21 n12 Dec 73 815-818 (2D01)
- Charalambous, Christakis; A unified review of optimization; *T-MTT* v22 n3 Mar 74 289-300 (2C13)
- Charalambous, Christakis, and Andrew R. Conn; Optimization of microwave networks (Short p.); *T-MTT* v23 n10 Oct 75 834-838 (1D14)
- Charlton, Donald A.; A low-cost construction technique for garnet and lithium-ferrite phase shifters; *T-MTT* v22 n6 Jun 74 614-617 (1B14)
- Charlton, R., see Tozer, R. C.; *T-MTT* v22 n8 Aug 74 806-808 (1D10)
- Chase, P. E., and K. K. N. Chang; Tunnel diodes as millimeter wave detectors and mixers (Corresp.); *T-MTT* v11 n6 Nov 63 560-561
- Chasek, Marvin B.; An accurate millimeter wave loss and delay measurement set; *T-MTT* v10 n6 Nov 62 521-527
- Chatterjee, Indira, see Hagmann, Mark J.; *T-MTT* v27 n9 Sep 79 809-813 (1D01)
- Chatterjee, Indira, Mark J. Hagmann, and Om P. Gandhi; Electromagnetic-energy deposition in an inhomogeneous block model of man for near-field irradiation conditions; *T-MTT* v28 n12 Dec 80 1452-1459
- Chattopadhyay, Asoknath, see Hoefler, Wolfgang J. R.; *T-MTT* v23 n12 Dec 75 1067-1071 (2C04)
- Chaudhuri, B. B., and D. K. Paul; Propagation through hollow cylindrical anisotropic dielectric guides; *T-MTT* v27 n2 Feb 79 170-172 (1F10)
- Chaudhuri, B. B.; Wave propagation through weakly anisotropic straight and curved rectangular dielectric optical guides; *T-MTT* v28 n3 Mar 80 231-234
- Chaurasia, H. K., and W. A. G. Voss; Resistivity of thin metal films (Short p.); *T-MTT* v21 n1 Jan 73 51-52 (2B04)
- Cheal, James, see Augustine, Carl F.; *T-MTT* v8 n4 Jul 60 398-402
- Ceccacci, Pier Francesco, Anna Consortini, and Annamaria Scheggi; Modes and instabilities of modes of the flat-roof open resonator; *T-MTT* v16 n2 Feb 68 103-109
- Ceccacci, Pier Francesco, and Anna Maria Scheggi; Open resonators with rimmed mirrors (Corresp.); *T-MTT* v17 n2 Feb 69 125-127
- Ceccacci, Pier Francesco, and Anna Maria Scheggi; Further considerations on open resonators with rimmed mirrors (Corresp.); *T-MTT* v18 n5 May 70 282-283
- Ceccacci, Pier Francesco, Riccardo Falciai, and Annamaria Scheggi; Phase step beam waveguide; *T-MTT* v20 n9 Sep 72 608-613 (1E10)
- Ceccacci, Pier Francesco, Riccardo Falciai, and Annamaria Scheggi; Microwave four-mirror ring resonator (Short p.); *T-MTT* v21 n5 May 73 361-362 (1F03)
- Ceccacci, Pier Francesco, Riccardo Falciai, and Annamaria Scheggi; Beam waveguides with minimized dielectric structures (Short p.); *T-MTT* v21 n5 May 73 362-363 (1F04)
- Ceccacci, Pier Francesco, and Annamaria Scheggi; Metallic frame beam waveguide (Short p.); *T-MTT* v21 n10 Oct 73 649-651 (1F03)
- Ceccacci, Pier Francesco, Riccardo Falciai, and Anna Maria Scheggi; Circular bends in dielectric frame beam waveguides (Short p.); *T-MTT* v22 n5 May 74 576-578 (2C07)
- Ceccacci, Pier Francesco, Riccardo Falciai, and Anna Maria Scheggi; Modes and losses of a four-mirror ring resonator (Ltr.); *T-MTT* v22 n7 Jul 74 751-752 (1D03)
- Chen, C.-H., E. A. DeMeo, and G. S. Heller; Submillimeter and millimeter antiferromagnetic resonance in polycrystalline nickel oxide (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Chen, Chao Chun; Transmission through a conducting screen perforated periodically with apertures; *T-MTT* v18 n9 Sep 70 627-632
- Chen, Chao-Chun; Diffraction of electromagnetic waves by a conducting screen perforated periodically with circular holes; *T-MTT* v19 n5 May 71 475-481 (2B01)
- Chen, Chao-Chun; Transmission of microwave through perforated flat plates of finite thickness; *T-MTT* v21 n1 Jan 73 1-6 (1B03)
- Chen, Chun Hsiung, and Chuen-Der Lien; The variational principle for non-self-adjoint electromagnetic problems; *T-MTT* v28 n8 Aug 80 878-886
- Chen, Di, and T. C. Lee; Propagation characteristics of a partially filled cylindrical waveguide for light beam modulation; *T-MTT* v14 n10 Oct 66 482-486
- Chen, Fang-Shang; Ferrite resonance isolators using tapered dc magnetic fields; *T-MTT* v10 n6 Nov 62 579-584
- Chen, J. H. K., see Bandler, John W.; *T-MTT* v24 n2 Feb 76 116-119 (1D08)
- Chen, J. H. K., see Bandler, John W.; *T-MTT* v24 n8 Aug 76 543 (1D13)
- Chen, James H. K., see Bandler, John W.; *T-MTT* v23 n8 Aug 75 630-641 (1B14)
- Chen, James T. C., and Craig P. Snapp; Bipolar microwave linear power transistor design; *T-MTT* v27 n5 May 79 423-430 (1E05)
- Chen, Kun-Mu, see Livesay, Donald E.; *T-MTT* v22 n12 Dec 74 1273-1280 (4F02)
- Chen, Kun-Mu, see Guru, Bhag Singh; *T-MTT* v24 n7 Jul 76 433-440 (1D01)
- Chen, Kun-Mu, and Bhag S. Guru; Internal EM field and absorbed power density in human torsos induced by 1-500-MHz EM waves; *T-MTT* v25 n9 Sep 77 746-756 (1C02)
- Chen, Kun-Mu, see Mousavinezhad, Seyed Hossein; *T-MTT* v26 n8 Aug 78 599-607 (1G01)
- Chen, Kun-Mu; Comments on 'Numerical calculation of electromagnetic energy deposition for a realistic model of man' (Hagmann, M. J., et al); *T-MTT* v28 n9 Sep 80 1034
- Chen, Kun-Mu, see Karimullah, Khalid; *T-MTT* v28 n11 Nov 80 1218-1225
- Chen, Ming Hui, G. N. Tsandoulas, and Frank G. Willwerth; Modal characteristics of quadrupole-rigid circular and square waveguides (Short p.); *T-MTT* v22 n8 Aug 74 801-804 (1D05)
- Chen, Ming Hui; Short-circuit tuning method for singly terminated filters; *T-MTT* v25 n12 Dec 77 1032-1036 (1E14)
- Chen, Ming Hui; The network representation and the unloaded Q for a quasi-optical bandpass filter; *T-MTT* v27 n4 Apr 79 357-360 (1E11)
- Chen, Ming Hui; Design formulas for a quasi-optical diplexer or multiplexer; *T-MTT* v28 n4 Apr 80 363-368
- Chen, Philip T., Chung-Tung Li, and Patrick Hwayan Wang; Performance of a dual-gate GaAs MESFET as a frequency multiplier at Ku-band; *T-MTT* v27 n5 May 79 411-415 (1D07)
- Chen, Sinclair, see Kirschbaum, Herbert S.; *T-MTT* v5 n3 Jul 57 199-203
- Chen, T. S.; Nonreciprocal attenuation of ferrite in single-ridge waveguide (Corresp.); *T-MTT* v8 n2 Mar 60 247-248
- Chen, Tsung-Shan; Calculation of the parameters of ridge waveguides; *T-MTT* v5 n1 Jan 57 12-17
- Chen, Tsung-Shan; Determination of the capacitance, inductance, and characteristic impedance of rectangular lines; *T-MTT* v8 n5 Sep 60 510-519
- Chen, Tsung-Shan; Characteristics of waveguide resonant-iris filters (Corresp.); *T-MTT* v15 n4 Apr 67 260-262
- Chen, Wen H.; Even and odd mode impedance of coupled pairs of microstrip lines (Corresp.); *T-MTT* v18 n1 Jan 70 55-57
- Cheng, David K., see Kong, Jin A.; *T-MTT* v16 n2 Feb 68 99-103
- Cheng, Steven S., see Bosch, Fridolin; *T-MTT* v26 n1 Jan 78 24-27 (1B12)
- Cherny, Vladimir V., Gennadii A. Juravlev, and John R. Whinnery; A multilayer fiber guide with rectangular core; *T-MTT* v28 n4 Apr 80 401-404
- Cherrington, Blake E., see Fein, Michael E.; *T-MTT* v20 n1 Jan 72 22-30 (1C12)
- Cherrington, Blake E., see Fein, Michael E.; *T-MTT* v20 n1 Jan 72 83 (2D06)
- Chester, Peter F., see Bolef, Dan I.; *T-MTT* v6 n1 Jan 58 47-52
- Chestnut, Paul C.; On determining the capacitances of shielded multiconductor transmission lines; *T-MTT* v17 n10 Oct 69 734-745

- Cheung, A., see Bassen, H. I.; *T-MTT* v25 n7 Jul 77 623-624
- Cheung, Albert C., see Yngvesson, K. Sigfrid; *T-MTT* v24 n11 Nov 76 711-717 (1C03)
- Cheung, Augustine Y., and David W. Koopman; Experimental development of simulated biomaterials for dosimetry studies of hazardous microwave radiation (Short p.); *T-MTT* v24 n10 Oct 76 669-673 (1C13)
- Cheung, Augustine Y., see Robinson, J. Eugene; *T-MTT* v26 n8 Aug 78 546-549 (1C04)
- Cheung, Kin Y., see Lazarus, Max; *T-MTT* v23 n8 Aug 75 700-703 (2A04)
- Chew, Weng Cho, and Jin Au Kong; Effects of fringing fields on the capacitance of circular microstrip disk; *T-MTT* v28 n2 Feb 80 98-104
- Chi, M., and P. A. Laura; Approximate method of determining the cutoff frequencies of waveguides of arbitrary cross section (Corresp.); *T-MTT* v12 n2 Mar 64 248-249
- Chiao, Raymond Y., see Goldsmith, Paul F.; *T-MTT* v22 n12 Dec 74 1115-1116 (2C12)
- Chiba, Jiro; Studies in overhead wire—Goubau line above ground; *T-MTT* v25 n2 Feb 77 83-93 (1A03)
- Chiba, Jiro; Experimental studies of the losses and radiations due to bends in the Goubau line; *T-MTT* v25 n2 Feb 77 94-100 (1A14)
- Chiba, Jiro, Tatsuo Inaba, Yoshitomo Kuwamoto, Osamu Banno, and Risaburo Sato; Radio communication in tunnels; *T-MTT* v26 n6 Jun 78 439-443 (1E05)
- Chien, T. M., and H. Unz; Radiation from rectangular waveguide with ferrite slabs (Corresp.); *T-MTT* v13 n1 Jan 65 137-138
- Chiron, Bernard, see Courtois, Louis; *T-MTT* v24 n3 Mar 76 129-135 (1A03)
- Chiron, Bernard, see Courtois, Louis; *T-MTT* v24 n3 Mar 76 129-135 (1A03)
- Chisholm, Robin M.; The characteristic impedance of trough and slab lines; *T-MTT* v4 n3 Jul 56 166-172
- Chisholm, Robin M.; Boundary conditions and ohmic losses in conducting wedges; *T-MTT* v8 n2 Mar 60 189-198
- Chiu, Planet; A practical UHF multidiscriminator unit (Corresp.); *T-MTT* v11 n1 Jan 63 88-89
- Cho, A. Y., see Linke, R. A.; *T-MTT* v26 n12 Dec 78 935-938 (1A13)
- Chorney, P., A. Bers, and P. Penfield; Further generalization of waveguide theorems (Corresp.); *T-MTT* v15 n1 Jan 67 58-59
- Chorney, Paul, and Paul Penfield Jr.; Waveguide power-mode theorems for nonconservative systems; *T-MTT* v19 n9 Sep 71 767-772 (1D05)
- Chou, Chung-Kwang, see Courtney, Kenneth R.; *T-MTT* v23 n10 Oct 75 809-813 (1C03)
- Chou, Chung-Kwang, and Arthur W. Guy; Effects of electromagnetic fields on isolated nerve and muscle preparations; *T-MTT* v26 n3 Mar 78 141-147 (1A07)
- Chow, K. K.; On the solution and field pattern of cylindrical dielectric resonators (Corresp.); *T-MTT* v14 n9 Sep 66 439
- Chow, Kungta K., see Hines, Marion E.; *T-MTT* v15 n3 Mar 67 181-183
- Chow, Y. L., and I. N. El-Beheery; An approximate dynamic spatial Green's function for microstriplines; *T-MTT* v26 n12 Dec 78 978-983 (1D14)
- Chow, Y. Leonard, see Wu, Sien-Chong; *T-MTT* v20 n11 Nov 72 744-749 (1D08)
- Chow, Y. Leonard, and Sien-Chong Wu; A moment method with mixed basis functions for scatterings by waveguide junctions; *T-MTT* v21 n5 May 73 333-340 (1C11)
- Chow, Y. Leonard; An approximate dynamic Green's function in three dimensions for finite length microstripline; *T-MTT* v22 n4 Apr 80 393-397
- Chramiec, Jerzy; Subharmonically pumped Schottky diode single sideband modulator; *T-MTT* v26 n9 Sep 78 635-638 (1A09)
- Chrepta, Metro M., see Jacobs, Harold; *T-MTT* v22 n4 Apr 74 411-417 (2A01)
- Chrepta, Metro M., see Jacobs, Harold; *T-MTT* v24 n11 Nov 76 815-820 (2D06)
- Christensen, C., see Bergman, J. O.; *T-MTT* v16 n5 May 68 308-310
- Christensen, P. S.; Design of a tapered transition in a circular waveguide (Corresp.); *T-MTT* v19 n1 Jan 71 99-100 (2E07)
- Christian, J. R., Georg Goubau, and James W. Mink; Further investigations with an optical beam waveguide for long distance transmission; *T-MTT* v15 n4 Apr 67 216-219
- Christian, J. Robert, see Goubau, Georg; *T-MTT* v12 n2 Mar 64 212-220
- Christman, Christopher L., see Ho, Henry S.; *T-MTT* v21 n12 Dec 73 837-840 (3B04)
- Christman, Christopher L., Henry S. Ho, and Sheppard Yarrow; A microwave dosimetry system for measuring sampled integral-dose rate; *T-MTT* v22 n12 Dec 74 1267-1272 (4E10)
- Christopher, A., and L. M. Silber; Ferromagnetic resonance in unsaturated planar ferrites (Corresp.); *T-MTT* v16 n5 May 68 315-316
- Christopherson, R. I., see King, R. J.; *T-MTT* v18 n9 Sep 70 658-660
- Chu, Kwo Ray, Adam T. Drobot, Victor L. Granatstein, and J. Larry Seftor; Characteristics and optimum operating parameters of a gyrotron traveling wave amplifier; *T-MTT* v27 n2 Feb 79 178-187 (1G04)
- Chu, Kwo Ray, Adam T. Drobot, Harold Hwang Szu, and Phillip Sprangle; Theory and simulation of the gyrotron traveling wave amplifier operating at cyclotron harmonics; *T-MTT* v28 n4 Apr 80 313-317
- Chu, Kwo Ray, Michael E. Read, and Achintya K. Ganguly; Methods of efficiency enhancement and scaling for the gyrotron oscillator; *T-MTT* v28 n4 Apr 80 318-325
- Chu, Kwo Ray, see Read, Michael E.; *T-MTT* v28 n8 Aug 80 875-878
- Chu, Kwo Ray, see Silverstein, Joseph Dov; *T-MTT* v28 n9 Sep 80 962-966
- Chu, Lan Jen; Education for electrical engineering; *T-MTT* v6 n3 Jul 58 249-250
- Chu, Ruey-Shi, and Theodor Tamir; Guided-wave theory of light diffraction by acoustic microwaves; *T-MTT* v17 n11 Nov 69 1002-1020
- Chu, Ruey-Shi, and Theodor Tamir; Guided-wave theory of light diffraction by acoustic microwaves; *T-MTT* v18 n8 Aug 70 486-504
- Chu, Ruey-Shi, and Jin Au Kong; Modal theory of spatially periodic media; *T-MTT* v25 n1 Jan 77 18-25 (1B06). Correction, *T-MTT* v26 n3 Mar 78 216 (1F12)
- Chu, Teh-Ming, see Cook, Kenneth R.; *T-MTT* v17 n5 May 69 265-270
- Chu, W. Y., see Bandler, John W.; *T-MTT* v24 n2 Feb 76 116-119 (1D08)
- Chu, W. Y., see Bandler, John W.; *T-MTT* v24 n8 Aug 76 543-544 (1D13)
- Chudobiak, W. J., see Wight, J. S.; *T-MTT* v24 n2 Feb 76 122-124 (1D14)
- Chudobiak, W. J., see Wight, J. S.; *T-MTT* v24 n5 May 76 270 (1C08)
- Chudobiak, Walter J., O. P. Jain, and V. Makios; Dispersion in microstrip (Corresp.); *T-MTT* v19 n9 Sep 71 783-784 (1E09)
- Chudobiak, Walter J., see Jain, O. P.; *T-MTT* v20 n9 Sep 72 626-628 (2C01)
- Chudobiak, Walter J., see Wight, James S.; *T-MTT* v22 n1 Jan 74 48-52 (1D08)
- Chui, Michael F., see Yngvesson, K. Sigfrid; *T-MTT* v24 n11 Nov 76 711-717 (1C03)
- Churchill, D. B.; An additional relation for 'Design of mode transducers' (Corresp.); *T-MTT* v12 n5 Sep 64 547-548
- Churchill, D. B.; Tangent relation for determining immittance inverter parameters (Corresp.); *T-MTT* v12 n5 Sep 64 551-552
- Cicconli, Gabriele, and Carlo Rosatelli; Solutions of the vector wave equation for inhomogeneous dielectric cylinders—Scattering in waveguide; *T-MTT* v25 n11 Nov 77 885-892 (1B07)
- Ciechoski, R. R., see Lally, J. F.; *T-MTT* v11 n5 Sep 63 452
- Cierne, J., see Legier, J. F.; *T-MTT* v28 n9 Sep 80 1031-1034
- Ciura, A. I., see Belland, P.; *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Civalieri, Pier P., see Carlin, Herbert J.; *T-MTT* v23 n5 May 75 444-446 (1D04)
- Claassen, J. H., see Taur, Yuan; *T-MTT* v22 n12 Dec 74 1005-1009 (1B13)
- Claiborne, Lewis T., see Staples, Edward J.; *T-MTT* v21 n4 Apr 73 279-287 (3B08)
- Clara, José Maria, and Albino Antinori; Investigation of VHF nonoptical propagation between Sardinia and Minorca; *T-MTT* v3 n6 Dec 55 7-12
- Clark, A. A.; Correction to 'Characteristic impedances of generalized rectangular transmission lines'; *T-MTT* v16 n8 Aug 68 555
- Clark, J., and J. Brown; Miniaturized, temperature stable, coaxial Y-junction circulators (Corresp.); *T-MTT* v9 n3 May 61 267-269
- Clark, J., and J. Brown; The gyromagnetic coupling limiter at C-band (Corresp.); *T-MTT* v10 n1 Jan 62 84-85
- Clark, J., see Brown, J.; *T-MTT* v10 n1 Jan 62 85-86
- Clark, J., see Brown, J.; *T-MTT* v10 n4 Jul 62 298
- Clark, J., J. Brown, and D. E. Tribby; Temperature stabilization of gyromagnetic couplers (Corresp.); *T-MTT* v11 n5 Sep 63 447-449
- Clark, William P.; A high power phase shifter for phased-array systems; *T-MTT* v13 n6 Nov 65 785-788
- Clark, William P.; A technique for improving the figure-of-merit of a twin-slab nonreciprocal ferrite phase shifter (Corresp.); *T-MTT* v16 n11 Nov 68 974-975
- Clarke, J., G. I. Hoffer, and P. L. Richards; Josephson junction bolometer (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1118-1119 (2D01)
- Clarke, John; Transmission characteristics of a reentrant hybrid tee (Corresp.); *T-MTT* v18 n9 Sep 70 665-666
- Clauss, R. C., W. Higa, C. Stelzried, and E. Wiebe; Total system noise temperature: 15°K (Corresp.); *T-MTT* v12 n6 Nov 64 619-620
- Clauss, R. C., see Petty, S. M.; *T-MTT* v16 n1 Jan 68 47-48
- Clauss, Robert C., see Moore, Craig R.; *T-MTT* v27 n3 Mar 79 249-256 (1C07)
- Clavier, A. G.; 'Wire' vs. 'Wireless' communications; *T-MTT* v4 n1 Jan 56 2-3
- Clavin, A.; Rectangular waveguide switches (Corresp.); *T-MTT* v9 n4 Jul 61 365-366
- Clavin, Alvin; High-power ferrite load isolators; *T-MTT* v3 n5 Oct 55 38-43
- Clavin, Alvin, see Stegen, R. J.; *T-MTT* v4 n1 Jan 56 54
- Clavin, Alvin; A broad-band microwave circulator (Corresp.); *T-MTT* v5 n2 Apr 57 164-165
- Clavin, Alvin; Reciprocal ferrite phase shifters in rectangular waveguide (Corresp.); *T-MTT* v6 n3 Jul 58 334
- Clavin, Alvin; Reciprocal ferrite phase shifters (Corresp.); *T-MTT* v8 n2 Mar 60 254-255
- Clavin, Alvin; Higher-order mode resonances in strip-line Y-junction circulators (Corresp.); *T-MTT* v9 n6 Nov 61 575
- Clavin, Alvin; A microwave ferrite single-sideband modulator; *T-MTT* v10 n2 Mar 62 98-102
- Clavin, Alvin; Reciprocal and nonreciprocal switches utilizing ferrite junction circulators (Corresp.); *T-MTT* v11 n3 May 63 217-218
- Claxton, Dale H., and Paul T. Greiling; Broad-band varactor-tuned IMPATT-diode oscillator (Short p.); *T-MTT* v23 n6 Jun 75 501-504 (1D01)
- Clayton, F. Michael, see Abdullah, Faruq; *T-MTT* v25 n2 Feb 77 127-136 (1D05)
- Clegg, P. E., see Robson, E. I.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Clemenson, W. J.; A wideband microwave solid-state FM deviator (Corresp.); *T-MTT* v15 n5 May 67 326
- Cleveland, Frederick H., and Nicholas P. Kernweis; A technique for measuring phase at millimeter wavelengths (Corresp.); *T-MTT* v19 n4 Apr 71 406-410 (2C02)
- Clifton, B. J., see Fetterman, H. R.; *T-MTT* v22 n12 Dec 74 1013-1015 (1C07)
- Clifton, B. J., see Murphy, R. A.; *T-MTT* v25 n6 Jun 77 494-495 (1C14)
- Clifton, Brian J.; Schottky-barrier diodes for submillimeter heterodyne detection; *T-MTT* v25 n6 Jun 77 457-463 (1A05)
- Cline, J. F., and B. M. Schiffman; Tunable passive multicouplers employing minimum-loss filters; *T-MTT* v7 n1 Jan 59 121-127. Correction, Jul 59 369
- Cloete, J. H.; Computation of the Hecken impedance function (Ltr.); *T-MTT* v25 n5 May 77 440 (2A04)
- Cloete, J. H.; Tables for nonminimum-phase even-degree low-pass prototype networks for the design of microwave linear-phase filters; *T-MTT* v27 n2 Feb 79 123-128 (1C05)
- Clowes, R. James, see Judd, Stewart V.; *T-MTT* v18 n2 Feb 70 78-87
- Coale, Franklin S.; A switch-detector circuit; *T-MTT* v3 n6 Dec 55 59-61. Correction, Jul 56 183
- Coale, Franklin S.; A traveling-wave directional filter; *T-MTT* v4 n4 Oct 56 256-260
- Coale, Franklin S.; Applications of directional filters for multiplexing systems; *T-MTT* v6 n4 Oct 58 450-453
- Coale, Franklin S.; Ice as a bending medium for waveguide and tubing (Corresp.); *T-MTT* v8 n2 Mar 60 252
- Coats, Robert P.; An octave-band switched-line microstrip 3-b diode phase shifter; *T-MTT* v21 n7 Jul 73 444-449 (1B10)
- Cochran, J. A.; Further formulas for calculating approximate values of the zeros of certain combinations of Bessel functions (Corresp.); *T-MTT* v11 n6 Nov 63 546-547
- Coe, R. J., see Curtis, W. L.; *T-MTT* v11 n3 May 63 211-212
- Coen, Shimon; Comments on 'Variational formulation of the Dirichlet boundary condition' by Hazel, T. G., and Wexler, A.; *T-MTT* v21 n9 Sep 73 597-598
- Coen, Shimon; A note on Green's function for microstrip (Short p.); *T-MTT* v23 n7 Jul 75 591-593 (1D11)
- Coen, Shimon, see Gladwell, Graham M. L.; *T-MTT* v23 n11 Nov 75 865-870 (1B01)
- Coen, Shimon, and Graham M. L. Gladwell; A Legendre approximation method for the circular microstrip disk problem; *T-MTT* v25 n1 Jan 77 1-6 (1A03)
- Cogdell, J. R., and Wu-Hung Su; Effects of video detector saturation on radiometer linearity (Corresp.); *T-MTT* v18 n6 Jun 70 324-325
- Cogdell, John R., Andrew P. Deam, and Archie W. Straiton; Temperature compensation of coaxial cavities; *T-MTT* v8 n2 Mar 60 151-155
- Cogdell, John R., see Moore, Brad D.; *T-MTT* v24 n11 Nov 76 843-847 (2F06)
- Cohen, Eliot D.; High-efficiency high-power TRAPATT operation of a single 'poor man's' diode (Corresp.); *T-MTT* v20 n2 Feb 72 184-186 (2E06)
- Cohen, Eliot D., see Gleason, K. Reed; *T-MTT* v22 n8 Aug 74 804-806 (1D08)
- Cohen, Gerald H., see Karnik, Avinash R.; *T-MTT* v17 n8 Aug 69 605-611

- Cohen, J., and J. Taub; Confocal resonator band-pass filters (Corresp.); *T-MTT v14 n12 Dec 66* 698-699
- Cohen, Jerome, see LaCombe, David; *T-MTT v20 n8 Aug 72* 555-556 (2B10)
- Cohen, Jerome, and M. Gilden; Temperature stability of an MIC Gunn-effect oscillator (Short p.); *T-MTT v21 n2 Feb 73* 115-116 (1F01)
- Cohen, Jerome, and M. Gilden; A mathematical model of a varactor package in microstrip line (Short p.); *T-MTT v21 n6 Jun 73* 412-413 (2B01)
- Cohen, Leonard D., see Fleri, Dominic A.; *T-MTT v21 n1 Jan 73* 39-43 (1E09)
- Cohen, Morris, and Walter K. Kahn; Analytical asymmetry parameters for symmetrical waveguide junctions; *T-MTT v7 n4 Oct 59* 430-441
- Cohen, Philip, see Davies, J. B.; *T-MTT v11 n6 Nov 63* 506-512
- Cohn, D. R., see Lax, Benjamin; *T-MTT v22 n12 Dec 74* 1049-1052 (1F01)
- Cohn, Daniel R., see Brown, Fielding; *T-MTT v22 n12 Dec 74* 1112-1113 (2C09)
- Cohn, G. L., see Knop, C. M.; *T-MTT v11 n5 Sep 63* 445-447
- Cohn, George L., see Zucker, Henry; *T-MTT v10 n3 May 62* 202-208
- Cohn, Marvin; Annular resonant slots in dielectric-filled circular waveguide; *T-MTT v1 n2 Nov 53* 39-44
- Cohn, Marvin; Propagation in a dielectric-loaded parallel plane waveguide; *T-MTT v7 n2 Apr 59* 202-208
- Cohn, Marvin; Attenuation of the HE₁₁ mode in the H-guide (Corresp.); *T-MTT v7 n4 Oct 59* 478-480
- Cohn, Marvin; TE modes of the dielectric loaded trough line; *T-MTT v8 n4 Jul 60* 449-454
- Cohn, Marvin, Edward S. Cassedy Jr., and Michael A. Kott; TE mode excitation on dielectric loaded parallel plane and trough waveguides; *T-MTT v8 n5 Sep 60* 545-552
- Cohn, Marvin, see Cassedy, Edward S.; *T-MTT v9 n3 May 61* 243-247
- Cohn, Marvin, and Andrew F. Eikenberg; Ferroelectric phase shifters for VHF and UHF; *T-MTT v10 n6 Nov 62* 536-548
- Cohn, Marvin, and Andrew F. Eikenberg; A high-power ferroelectric limiter; *T-MTT v13 n1 Jan 65* 47-54
- Cohn, Marvin, James E. Degenford, and Burton A. Newman; Harmonic mixing with an antiparallel diode pair; *T-MTT v23 n8 Aug 75* 667-673 (1E09)
- Cohn, Seymour B.; Characteristic impedance of the shielded-strip transmission line; *T-MTT v2 n2 Jul 54* 52-57
- Cohn, Seymour B.; Problems in strip transmission lines; *T-MTT v3 n2 Mar 55* 119-126
- Cohn, Seymour B.; Optimum design of stepped transmission-line transformers; *T-MTT v3 n3 Apr 55* 16-21
- Cohn, Seymour B.; Shielded coupled-strip transmission line; *T-MTT v3 n5 Oct 55* 29-38
- Cohn, Seymour B.; Parallel-coupled transmission-line-resonator filters; *T-MTT v6 n2 Apr 58* 223-231
- Cohn, Seymour B.; Design considerations for high-power microwave filters; *T-MTT v7 n1 Jan 59* 149-153
- Cohn, Seymour B.; Breaking through the mental barrier; *T-MTT v7 n2 Apr 59* 189-191
- Cohn, Seymour B., see Jones, E. M. T.; *T-MTT v7 n4 Oct 59* 453-460
- Cohn, Seymour B.; Characteristic impedances of broadside-coupled strip transmission lines; *T-MTT v8 n6 Nov 60* 633-637
- Cohn, Seymour B.; Thickness corrections for capacitive obstacles and strip conductors; *T-MTT v8 n6 Nov 60* 638-644
- Cohn, Seymour B.; Rounded corners in microwave high-power filters and other components; *T-MTT v9 n5 Sep 61* 389-397
- Cohn, Seymour B.; Frontispiece, Donald D. King; *T-MTT v11 n2 Mar 63* 110
- Cohn, Seymour B.; The re-entrant cross section and wide-band 3-db hybrid couplers; *T-MTT v11 n4 Jul 63* 254-258
- Cohn, Seymour B., and Kenneth C. Kelly; Microwave measurement of high-dielectric constant materials; *T-MTT v14 n9 Sep 66* 406-410
- Cohn, Seymour B.; A class of broadband three-port TEM-mode hybrids; *T-MTT v16 n2 Feb 68* 110-116
- Cohn, Seymour B.; Microwave bandpass filters containing high-Q dielectric resonators; *T-MTT v16 n4 Apr 68* 218-227
- Cohn, Seymour B.; Equivalent circuit of the bolometer detector; *T-MTT v16 n8 Aug 68* 536-541
- Comments, *T-MTT v17 n7 Jul 69* 403-404
- Cohn, Seymour B.; Slot line on a dielectric substrate; *T-MTT v17 n10 Oct 69* 768-778
- Cohn, Seymour B., see Mariani, Elio A.; *T-MTT v17 n12 Dec 69* 1091-1096
- Cohn, Seymour B.; Sandwich slot line (Corresp.); *T-MTT v19 n9 Sep 71* 773-774 (1D11)
- Comments by Moyer, R. D., Nov 74 978
- Cohn, Seymour B.; Slot-line field components (Corresp.); *T-MTT v20 n2 Feb 72* 172-174 (2D06)
- Cohn, Seymour B., Guest ed.; Microwave filters, an advancing art; *T-MTT v13 n5 Sep 65* 487-488
- Cole, Peter H., see Burgess, Alan S.; *T-MTT v21 n10 Oct 73* 611-618 (1C01)
- Coleman, Donald J., Jr., see Tserng, Hua Quen; *T-MTT v26 n10 Oct 78* 774-778 (1F02)
- Coleman, M. D., see Davis, L. E.; *T-MTT v12 n1 Jan 64* 43-47
- Coleman, P. D., see Spuhler, H. A.; *T-MTT v7 n3 Jul 59* 391
- Coleman, P. D., see Strain, R. J.; *T-MTT v10 n6 Nov 62* 612-614
- Coleman, P. D., see Likuski, R. K.; *T-MTT v14 n1 Jan 66* 40-41
- Coleman, P. D., see Danielewicz, E. J.; *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Coleman, Paul D., and Richard C. Becker; Present state of the millimeter wave generation and technique art—1958; *T-MTT v7 n1 Jan 59* 42-61
- Coleman, Paul D., see Hakkı, Basil W.; *T-MTT v8 n4 Jul 60* 402-410
- Coleman, Paul D.; State of the art: Background and recent developments—Millimeter and submillimeter waves; *T-MTT v11 n5 Sep 63* 271-288
- Coleman, Paul D., see Rosenbaum, Fred J.; *T-MTT v11 n5 Sep 63* 302-311
- Coleman, Paul D., see Baird, Jack R.; *T-MTT v11 n5 Sep 63* 312-317
- Coleman, Paul D., see Strain, R. J.; *T-MTT v11 n5 Sep 63* 434-435
- Coleman, Paul D., see Plant, Thomas K.; *T-MTT v22 n12 Dec 74* 988-990 (1A10)
- Coleman, Paul D., see Thompson, David E.; *T-MTT v22 n12 Dec 74* 995-1000 (1B03)
- Collier, J. Robert, and C. T. Tai; Guided waves in moving media; *T-MTT v13 n4 Jul 63* 441-445
- Collier, Richard J., and Nabil A. El-Deeb; On the use of a microstrip three-line system as a six-port reflectometer; *T-MTT v27 n10 Oct 79* 847-853 (1B11)
- Collier, Richard J., and Robin D. Birch; The bandwidth of image guide (Short p.); *T-MTT v28 n8 Aug 80* 932-935
- Collin, R. E.; The characteristic impedance of a slotted coaxial line; *T-MTT v4 n1 Jan 56* 4-8
- Collin, R. E.; Determination of equivalent circuit parameters (Corresp.); *T-MTT v5 n4 Oct 57* 266-267
- Collin, R. E.; A simple artificial anisotropic dielectric medium; *T-MTT v6 n2 Apr 58* 206-209. Correction, Oct 58 414
- Collin, R. E.; Application of sampling theorem to the synthesis of transmission line tapers and antenna radiation patterns (Corresp.); *T-MTT v10 n5 Sep 62* 393-394
- Collin, Robert E., and Raymond M. Vaillancourt; Application of Rayleigh-Ritz method to dielectric steps in waveguides; *T-MTT v5 n3 Jul 57* 177-184
- Comments, *T-MTT v5 n4 Oct 57* 268
- Collin, Robert E.; A variational integral for propagation constant of lossy transmission lines; *T-MTT v8 n3 May 60* 339-342
- Collin, Robert E., and Wilhelm H. Eggmann; Dynamic interaction fields in a two-dimensional lattice; *T-MTT v9 n2 Mar 61* 110-115
- Collin, Robert E., see Kolettis, Nicholas J.; *T-MTT v9 n5 Sep 61* 436-441
- Collin, Robert E., see Eggmann, Wilhelm H.; *T-MTT v10 n6 Nov 62* 528-535
- Collin, Robert E.; Electromagnetic potentials and field expansions for plasma radiation in waveguides; *T-MTT v13 n4 Jul 65* 413-420
- Collinet, Jean-Claude R., see Hines, M. E.; *T-MTT v16 n9 Sep 68* 738-742
- Collins, Glen E., see Torgow, Eugene N.; *T-MTT v13 n5 Sep 65* 508-513
- Collins, J. H., see Smith, W. Richard; *T-MTT v17 n11 Nov 69* 1043-1044
- Collins, Jeffrey H., see Smith, W. Richard; *T-MTT v17 n11 Nov 69* 856-864
- Collins, Jeffrey H., see Smith, W. Richard; *T-MTT v17 n11 Nov 69* 865-873
- Collins, Jeffrey H., see Grant, Peter M.; *T-MTT v21 n4 Apr 73* 288-300 (3C05)
- Collins, T., see Wade, W., Jr.; *T-MTT v10 n6 Nov 62* 611
- Collins, T., see Wade, W. L., Jr.; *T-MTT v13 n1 Jan 65* 127-128
- Collins, T., see Peyton, B. J.; *T-MTT v16 n5 May 68* 319-320
- Collins, Thomas, see Bady, Isidore; *T-MTT v11 n4 Jul 63* 222-226
- Compton, Ralph T., Jr., see Du, Li-jen; *T-MTT v14 n8 Aug 66* 358-363
- Comstock, R. Lawrence, and Clifford E. Fay; Operation of the field displacement isolator in rectangular waveguide; *T-MTT v8 n6 Nov 60* 605-611
- Comstock, R. Lawrence; Synthesis of filter-limiters using ferrimagnetic resonators; *T-MTT v12 n6 Nov 64* 599-607
- Comstock, R. Lawrence, see Fay, Clifford E.; *T-MTT v13 n1 Jan 65* 15-27
- Conciauro, Giuseppe, see Bastida, Ezio M.; *T-MTT v22 n8 Aug 74* 796-798 (1C14)
- Cong, Hong-lh, Anthony R. Kerr, and Robert J. Mattauch; The low-noise 115-GHz receiver on the Columbia-GISS 4-ft radio telescope; *T-MTT v27 n3 Mar 79* 245-248 (1C03)
- Conn, Andrew R., see Charalambous, Christakis; *T-MTT v23 n10 Oct 75* 834-838 (1D14)
- Conn, D. R., see Ntaka, Pasteur L.; *T-MTT v23 n6 Jun 75* 477-485 (1B05)
- Conn, David R., see Stewart, J. A. Carson; *T-MTT v18 n11 Nov 70* 835-842
- Connerney, William R.; Diode loop binary phase shifter (Corresp.); *T-MTT v16 n2 Feb 68* 134-135
- Conning, S. W.; The characteristic impedance of square coaxial line (Corresp.); *T-MTT v12 n4 Jul 64* 468
- Connors, W. P.; Maximally flat bandwidth of a nondegenerate parametric amplifier with double tuned signal circuit and single tuned idler circuit (Corresp.); *T-MTT v13 n2 Mar 65* 251-252
- Consortini, A.; Curved-rim open resonators (Short p.); *T-MTT v22 n1 Jan 74* 60-63 (1E06)
- Consortini, A., L. Ronchi, and R. Tognazzi; Field propagation in an open-beam waveguide (Short p.); *T-MTT v23 n7 Jul 75* 593-595 (1D13)
- Consortini, Anna, see Checcacci, Pier F.; *T-MTT v16 n2 Feb 68* 103-109
- Constant, Eugene, see Rolland, Paul-Alain; *T-MTT v24 n11 Nov 76* 768-775 (2A01)
- Cook, A. M., Jr., see McMillan, R. W.; *T-MTT v25 n8 Jun 77* 484-488 (1C04)
- Cook, Charles F., see Byrne, John F.; *T-MTT v11 n5 Sep 63* 379-384
- Cook, K. R.; Radiation characteristics for a magnetic line source in homogeneous electron plasmas (Corresp.); *T-MTT v12 n6 Nov 64* 617-618
- Cook, Kenneth R., and Teh-Ming Chu; Mode coupling between surface wave transmission lines; *T-MTT v17 n5 May 69* 265-270
- Cook, W. Allan, see Partain, Larry D.; *T-MTT v24 n10 Oct 76* 656-660 (1B14)
- Cook, W. Allan, see Lakshminarayana, Mysore R.; *T-MTT v27 n7 Jul 79* 661-665 (1C07)
- Cooper, H. Warren, and Maurice E. Ringenbach; Measurements of attenuation and phase velocity of various laminate materials at L-band; *T-MTT v3 n2 Mar 55* 87-92
- Cooper, Lawson French, see Moore, Robert Avery; *T-MTT v22 n6 Jun 74* 626-634 (1C12)
- Copeland, J. R., see Robertson, W. J.; *T-MTT v10 n5 Sep 62* 394
- Copplestone, Ray J.; An exact three-dimensional field theory for a class of cyclic H-plane waveguide junction; *T-MTT v27 n6 Jun 79* 577-584 (1B09)
- Corbey, Colin D., Robert Davies, and Robert A. Gough; Wide-band varactor-tuned coaxial oscillators; *T-MTT v24 n1 Jan 76* 31-39 (1C05)
- Corcoran, Vincent J.; Far-infrared-submillimeter phased arrays and applications; *T-MTT v22 n12 Dec 74* 1103-1107 (2B14)
- Cordero-Iannarella, Rodolfo F., see Kerner, Stephen R.; *T-MTT v28 n1 Jan 80* 18-24
- Cornick, J. A. F., see Joshi, J. S.; *T-MTT v21 n9 Sep 73* 582-586 (1B12)
- Cornick, J. A. F., see Joshi, J. S.; *T-MTT v24 n9 Sep 76* 573-584 (1C01)
- Cornick, J. A. F., see Joshi, J. S.; *T-MTT v25 n3 Mar 77* 169-173 (1A03)
- Cornick, J. A. F., see Joshi, J. S.; *T-MTT v25 n3 Mar 77* 173-181 (1A07)
- Cornick, J. A. F., see Joshi, J. S.; *T-MTT v26 n4 Apr 78* 319-320 (2A06)
- Corr, Douglas G., and J. Brian Davies; Computer analysis of the fundamental and higher order modes in single and coupled microstrip; *T-MTT v20 n10 Oct 72* 669-678 (1E01)
- Corsi, S., G. Dall'Oglio, S. Fonti, I. Guidi, B. Melchiorri, F. Melchiorri, V. Natale, F. Mencaraglia, Pietro P. Lombardini, Paolo Trivero, and S. Sivertsen; Atmospheric noise in the far infrared (300-3000 μm); *T-MTT v22 n12 Dec 74* 1036-1041 (1E02)
- Cory, Haim, see Halevy, Shalom; *T-MTT v26 n6 Jun 78* 406-412 (1B14)
- Corzani, Tullio, see Carli, Edoardo; *T-MTT v22 n9 Sep 74* 835-837 (1B03)
- Costamagna, Eugenio; Fast parameters calculation of the dielectric-supported air-strip transmission line (Ltr.); *T-MTT v21 n3 Mar 73* 155-156. Correction, Apr 74 474 (1E01)
- Costamagna, Eugenio, and Ugo Maltese; Comments on 'Asymmetric coupled transmission lines in an inhomogeneous medium' by Tripathi, V. K.; *T-MTT v24 n8 Aug 76* 541
- Costanza, S. T., P. J. Hagon, and L. A. MacNevin; Analog matched filter using tapped acoustic surface wave delay line (Corresp.); *T-MTT v17 n11 Nov 69* 1042-1043

- Costley, A. E., J. Chamberlain, K. Muraoka, and D. D. Burgess; Measurement of the emission from tokamak plasma near the electron cyclotron frequency (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Cotte, Marie-Thérèse, see Remy, Jean-Pierre; *T-MTT* v26 n10 Oct 78 814-820 (2B06)
- Cotter, John J., see Davis, L. E.; *T-MTT* v12 n1 Jan 64 43-47
- Cotton, John M., Jr.; A submillimeter measurement system using a harmonic mixing superheterodyne receiver; *T-MTT* v11 n5 Sep 63 385-389
- Cottrell, Peter E.; Characterization of a bulk p-n switch using iris mounting for added isolation (Short p.); *T-MTT* v21 n5 May 73 358-359 (1E12)
- Couch, Leon W.; A study of a driven oscillator with FM feedback by use of a phase-lock-loop model; *T-MTT* v19 n4 Apr 71 357-366 (1C01)
- Couder, Y., see Tuchendler, J.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Court, Ian N.; Microwave acoustic devices for pulse compression filters; *T-MTT* v17 n11 Nov 69 968-986
- Courtney, Kenneth R., James C. Lin, Arthur W. Guy, and Chung-Kwang Chou; Microwave effect on rabbit superior cervical ganglion; *T-MTT* v23 n10 Oct 75 809-813 (1C03)
- Courtney, W. E., and D. H. Temme; Spinwave linewidth measurements with low-power RF sources (Corresp.); *T-MTT* v18 n8 Aug 70 510
- Courtney, William E.; Analysis and evaluation of a method of measuring the complex permittivity and permeability of microwave insulators; *T-MTT* v18 n8 Aug 70 476-485
- Courtney, William E.; Complex permittivity of GaAs and CdTe at microwave frequencies; *T-MTT* v25 n8 Aug 77 697-701 (1E13)
- Courtois, L., and M. de Vecchis; A new class of nonreciprocal components using slot line (Short p.); *T-MTT* v23 n6 Jun 75 511-516 (1D11)
- Courtois, Louis, see Gastine, Monique; *T-MTT* v15 n12 Dec 67 694-700
- Courtois, Louis, Nicole Bernard, Bernard Chiron, and Gérard E. Forterre; A new edge-mode isolator in the very high frequency range; *T-MTT* v24 n3 Mar 76 129-135 (1A03)
- Comments by Craig, R. A., Jan 77 76-77
- Cowan, D. A., P. Mercer, and A. B. Bell; Low-noise and linear FET amplifiers for satellite communications; *T-MTT* v25 n12 Dec 77 995-1000 (1C05)
- Cowley, A. Michael, and Hans O. Sorensen; Quantitative comparison of solid-state microwave detectors; *T-MTT* v14 n12 Dec 66 588-602
- Cowley, A. Michael, see Lepoff, Jack H.; *T-MTT* v14 n12 Dec 66 618-623
- Cowlshaw, J. D., see Rebsch, D. L.; *T-MTT* v13 n4 Jul 65 468-469
- Cox, Donald C., see Miller, Barbara A.; *T-MTT* v15 n10 Oct 67 554-561
- Cox, N. W., see Gleason, K. Reed; *T-MTT* v22 n8 Aug 74 804-806 (1D08)
- Cox, N. W., Charles T. Rucker, G. N. Hill, and K. E. Gsteiger; X-band TRAPATT amplifier (Short p.); *T-MTT* v22 n12 Dec 74 1325-1328 (5D03)
- Cox, N. W., see Rucker, C. T.; *T-MTT* v25 n1 Jan 77 75-76 (1F07)
- Cox, N. W., see Rucker, Charles T.; *T-MTT* v27 n12 Dec 79 951-957 (1B13)
- Cox, Richard M., and James R. Sebring; MLS—A practical application of microwave technology; *T-MTT* v24 n12 Dec 76 964-971 (1E10)
- Cox, William A., see Fleming, Paul L.; *T-MTT* v27 n12 Dec 79 1032-1035 (2A11)
- Cozzie, James C.; Low impedance microstrip calculations using MSTRIP (Ltr.); *T-MTT* v28 n11 Nov 80 1228-1229
- Craig, Robert A.; Comments on 'A new edge-mode isolator in the very high frequency range' by Courtois, L., et al.; *T-MTT* v25 n1 Jan 77 76-77
- Cram, Milton E., and Demetrius T. Paris; A molecular resonance AFC system for millimeter oscillators; *T-MTT* v16 n8 Aug 68 548-553
- Crampagne, Raymond, and Gratia Khoo; Comments on 'Approximation for the symmetrical parallel-strip transmission line' by Rochelle, J. M.; *T-MTT* v24 n8 Aug 76 532-534
- Crampagne, Raymond, and Gratia Khoo; Synthesis of certain transmission lines employed in microwave integrated circuits (Ltr.); *T-MTT* v25 n5 May 77 440-442 (2A04)
- Crampagne, Raymond, and Jean-Louis Guiraud; A two- or three-dimensional Green's function which can be applied to hyperfrequency microelectronic transmission lines (Ltr.); *T-MTT* v25 n5 May 77 442-444 (2A06)
- Crampagne, Raymond, Majid Ahmadpanah, and Jean-Louis Guiraud; A simple method for determining the Green's function for a large class of MIC lines having multilayered dielectric structures; *T-MTT* v26 n2 Feb 78 82-87 (1C08)
- Crandell, Paul A.; A turnstile polarizer for rain cancellation; *T-MTT* v3 n1 Jan 55 10-15
- Craven, George F., and C. K. Mok; The design of evanescent mode waveguide bandpass filters for a prescribed insertion loss characteristic; *T-MTT* v19 n3 Mar 71 295-308 (1E03)
- Craven, J. H.; A novel broad-band balun (Corresp.); *T-MTT* v8 n6 Nov 60 673
- Craven, J. H.; Coaxial to strip transmission line adapter (Corresp.); *T-MTT* v9 n2 Mar 61 200-201
- Craven, John H., see Staniforth, Allan; *T-MTT* v8 n1 Jan 60 111-115
- Crenn, Jean Pierre; A study of waveguides for far infrared interferometers measuring electron density of tokamak plasmas; *T-MTT* v27 n6 Jun 79 573-577 (1B05)
- Crepeau, P. J., and T. Keegan; A beam plasma surface wave interaction (Corresp.); *T-MTT* v10 n5 Sep 62 391-392
- Cristal, E. G., see Vadopalas, P.; *T-MTT* v13 n2 Mar 65 254-255
- Cristal, E. G.; Tables of maximally flat impedance-transforming networks of low-pass-filter form (Corresp.); *T-MTT* v13 n5 Sep 65 693-695
- Cristal, E. G., see Young, Leo; *T-MTT* v14 n2 Feb 66 75-80
- Cristal, E. G., Leo Young, B. M. Schiffman, and D. B. Weller; Bandstop filter formulas (Corresp.); *T-MTT* v15 n3 Mar 67 195
- Cristal, Edward G.; Analytical solution to a waveguide leaky-wave filter structure; *T-MTT* v11 n3 May 63 182-190
- Cristal, Edward G., and George L. Matthaei; A technique for the design of multiplexers having contiguous; *T-MTT* v12 n1 Jan 64 88-93
- Cristal, Edward G.; Addendum to 'An exact method for synthesis of microwave bandstop filters'; *T-MTT* v12 n3 May 64 369-382. Addendum, *T-MTT* v13 n1 Jan 65 141
- Cristal, Edward G.; Coupled circular cylindrical rods between parallel ground planes; *T-MTT* v12 n4 Jul 64 428-439. Correction, Jan 65 141
- Comments, *T-MTT* v13 n2 Mar 65 254-255
- Cristal, Edward G., see Matthaei, George L.; *T-MTT* v13 n3 May 65 328-334
- Cristal, Edward G., and Leo Young; Theory and tables of optimum symmetrical TEM-mode coupled-transmission-line directional couplers; *T-MTT* v13 n5 Sep 65 544-558
- Cristal, Edward G.; Re-entrant directional couplers having direct coupled center conductors (Corresp.); *T-MTT* v14 n4 Apr 66 207-208
- Cristal, Edward G.; Analysis and exact synthesis of cascaded commensurate transmission-line C-section all-pass networks; *T-MTT* v14 n6 Jun 66 285-291. Addendum, Oct 66 498-499
- Cristal, Edward G.; Band-pass spurline resonators (Corresp.); *T-MTT* v14 n6 Jun 66 296-297. Correction, Sep 66 436
- Cristal, Edward G.; Coupled-transmission-line directional couplers with coupled lines of unequal characteristic impedances; *T-MTT* v14 n7 Jul 66 337-346
- Cristal, Edward G.; A frequency transformation for commensurate transmission-line networks; *T-MTT* v15 n6 Jun 67 348-357. Correction, Jan 68 45
- Cristal, Edward G.; Nonsymmetrical coupled lines of reentrant cross section (Corresp.); *T-MTT* v15 n9 Sep 67 529-530. Correction, Jan 68 57
- Cristal, Edward G.; Data for partially decoupled round rods between parallel ground planes (Corresp.); *T-MTT* v16 n5 May 68 311-314
- Cristal, Edward G.; Theory and design of transmission line all-pass equalizers; *T-MTT* v17 n1 Jan 69 28-38
- Cristal, Edward G., see Sato, Risaburo; *T-MTT* v18 n3 Mar 70 122-131
- Cristal, Edward G.; Design of transmission-line reactance networks for equalizer applications; *T-MTT* v18 n9 Sep 70 531-540
- Cristal, Edward G.; New design equations for a class of microwave filters (Corresp.); *T-MTT* v19 n5 May 71 486-490 (2B12)
- Cristal, Edward G.; Design equations for a class of wide-band bandpass filters (Short p.); *T-MTT* v20 n10 Oct 72 696-699. Correction, Sep 73 598 (2B08)
- Cristal, Edward G., and Sidney Frankel; Hairpin-line and hybrid hairpin-line/half-wave parallel-coupled-line filters; *T-MTT* v20 n11 Nov 72 719-728 (1B07)
- Cristal, Edward G.; Meander-line and hybrid meander-line transformers; *T-MTT* v21 n2 Feb 73 69-76 (1B03)
- Cristal, Edward G., and Ulrich H. Gysel; A compact channel-dropping filter for stripline and microwave integrated circuits; *T-MTT* v22 n5 May 74 499-504 (1B07)
- Cristal, Edward G., see Dupuis, Paul A.; *T-MTT* v22 n12 Dec 74 1312-1316 (5C04)
- Cristal, Edward G.; Tapped-line coupled transmission lines with applications to interdigital and combline filters; *T-MTT* v23 n12 Dec 75 1007-1012 (1E13)
- Cristal, Edward G.; On some integral relationships for commensurate transmission-line networks (Short p.); *T-MTT* v24 n7 Jul 76 463-468 (2A08)
- Cristal, Edward G.; A continuously variable coaxial-line attenuator; *T-MTT* v28 n3 Mar 80 191-199
- Cronson, H. M., see Luce, D. A.; *T-MTT* v24 n1 Jan 76 50-54 (1D10)
- Cronson, Harry M.; Picosecond-pulse sequential waveform generation (Short p.); *T-MTT* v23 n12 Dec 75 1048-1049 (2A13)
- Cronson, Harry M., and Leon Susman; A six-port automatic network analyzer; *T-MTT* v25 n12 Dec 77 1086-1091 (2C04)
- Crosby, D. R.; Duplexing filter design at 2000 mc; *T-MTT* v1 n1 Mar 53 31-38
- Crosignani, Bruno, Benedetto Daino, and Paolo Di Porto; Statistical coupled equations in lossless optical fibers; *T-MTT* v23 n5 May 75 416-420 (1B04)
- Crouch, J. N., Jr.; DC- and microwave-biased extrinsic GaAs photoconductors; *T-MTT* v28 n1 Jan 80 51-54
- Crowley, J. D., F. K. Tittel, T. A. Rabson, and W. L. Wilson Jr.; A microwave biased submillimeter GaAs photodetector (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Crowley, J. D., J. F. Weller, and T. G. Giallorenzi; Use of attenuation and phase delay characteristics of SAW to measure air-gap height (Tech. n.); *T-MTT* v26 n2 Feb 78 134-135 (1G04)
- Cruz, J. E., and R. L. Brooke; A variable characteristic impedance coaxial line (Corresp.); *T-MTT* v13 n4 Jul 65 477-478
- Cruz, José E., see Brooke, Robert L.; *T-MTT* v15 n6 Jun 67 358-364
- Cruzan, O. R., and Robert V. Garver; Characteristic impedance of rectangular coaxial transmission lines; *T-MTT* v12 n5 Sep 64 488-495
- Csendes, Z., and P. Silvester; Dielectric loaded waveguide analysis program (Comp. program des.); *T-MTT* v19 n9 Sep 71 789 (1F03)
- Csendes, Zoltan J., and P. Silvester; Numerical solution of dielectric loaded waveguides: Part I—Finite-element analysis; *T-MTT* v18 n12 Dec 70 1124-1132
- Csendes, Zoltan J., and P. Silvester; Numerical solution of dielectric loaded waveguides—Part II: Modal approximation technique; *T-MTT* v19 n6 Jun 71 504-509 (1B04)
- Csendes, Zoltan J., and P. Silvester; FINPLT: A finite-element field-plotting program (Computer program descr.); *T-MTT* v20 n4 Apr 72 294-295 (2F04)
- Csendes, Zoltan J., see Silvester, P.; *T-MTT* v22 n3 Mar 74 190-201 (1C12)
- Csendes, Zoltan J.; A note on the finite-element solution of exterior-field problems (Short p.); *T-MTT* v24 n7 Jul 76 468-473 (2A13)
- Cuccia, C. L., see Matthews, E. W.; *T-MTT* v27 n12 Dec 79 998-1004 (1F04)
- Cullen, A. L.; On the accuracy of the beam-wave theory of the open resonator (Ltr.); *T-MTT* v24 n8 Aug 76 534-535 (1D04)
- Cullen, A. L., see Dafele, J. S.; *T-MTT* v28 n7 Jul 80 752-755
- Cullen, Alexander L., B. Rogal, and Sogo Okamura; A wide-band double-vane torque-operated wattmeter for 3-cm microwaves; *T-MTT* v6 n2 Apr 58 133-136
- Cullen, Alexander L., see Al-Ani, A. Hag; *T-MTT* v22 n6 Jun 74 698-703 (2B10)
- Cullen, T. J.; An elementary proof of a result used by Otoshi (Corresp.); *T-MTT* v18 n3 Mar 70 171
- Culshaw, William; Reflectors for a microwave Fabry-Perot interferometer; *T-MTT* v7 n2 Apr 59 221-228
- Culshaw, William; High resolution millimeter wave Fabry-Perot interferometer; *T-MTT* v8 n2 Mar 60 182-189
- Culshaw, William; Resonators for millimeter and submillimeter wavelengths; *T-MTT* v9 n2 Mar 61 135-144
- Culshaw, William; Further considerations on Fabry-Perot type resonators; *T-MTT* v10 n5 Sep 62 331-339
- Comments, *T-MTT* v11 n2 Mar 63 153
- Cumming, Raymond C., and David W. Howell; YIG filters as envelope limiters; *T-MTT* v13 n5 Sep 65 616-621
- Cunitz, R. J., W. D. Galloway, and C. M. Berman; Behavioral suppression by 383-MHz radiation (Short p.); *T-MTT* v23 n3 Mar 75 313-316 (1D05)
- Cupp, R. E., see Strauch, R. G.; *T-MTT* v13 n6 Nov 65 873
- Curby, Rocky, see Pfund, George; *T-MTT* v27 n5 May 79 450-451 (1G04)
- Curnow, Harold J.; A general equivalent circuit for coupled-cavity slow-wave structures; *T-MTT* v13 n5 Sep 65 671-675
- Curtice, W. R.; A transferred-electron frequency memorizer (Short p.); *T-MTT* v23 n12 Dec 75 1074-1076 (2C11)
- Curtice, Walter R., see Khandelwal, Deen D.; *T-MTT* v18 n4 Apr 70 178-187
- Curtice, Walter R.; Quenched-domain mode oscillation in waveguide circuits; *T-MTT* v21 n6 Jun 73 369-374 (1B03)

- Curtice, Walter R., see Talwar, Ashok K.; *T-MTT* v21 n7 Jul 73 477-481 (1E07)
- Curtice, Walter R.; A MESFET model for use in the design of GaAs integrated circuits; *T-MTT* v28 n5 May 80 448-456
- Curtis, W. L., and R. J. Coe; A microwave technique for the measurement of the dielectric properties of soils (Corresp.); *T-MTT* v11 n3 May 63 211-212
- Cusack, Joseph, Stewart M. Perlow, and Barry S. Perlman; Automatic load contour mapping for microwave power transistors; *T-MTT* v22 n12 Dec 74 1146-1152 (3B14)
- Czubiak, D. W., see Willis, J.; *T-MTT* v12 n5 Sep 64 553-555
- ## D
- Daehler, M.; A submillimeter Michelson interferometer with frustrated-total-reflection beamsplitter (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Dagg, I. R., see Muc, A. M.; *T-MTT* v18 n5 May 70 285-286
- Dagg, I. R., A. M. Muc, and G. E. Reesor; Factor calculations for cylindrical microwave resonators; *T-MTT* v18 n9 Sep 70 669
- Dabele, J. S., and A. L. Cullen; Electric probe measurements on microstrip; *T-MTT* v28 n7 Jul 80 752-755
- Dahlman, B. A.; A double-ground-plane strip-line system for microwaves; *T-MTT* v3 n5 Oct 55 52-57
- Daido, Yoshimasa, see Ito, Yukio; *T-MTT* v19 n12 Dec 71 900-905 (1B08)
- Daido, Yoshimasa, see Ito, Yukio; *T-MTT* v20 n12 Dec 72 799-805 (1B10)
- Daido, Yoshimasa, see Komizo, Hidemitsu; *T-MTT* v21 n11 Nov 73 721-728 (2C03)
- D'Aiello, R. V. D., and H. J. Prager; Dielectric resonators for microwave applications (Corresp.); *T-MTT* v12 n5 Sep 64 549-550
- Daiku, Y., see Mizuno, K.; *T-MTT* v25 n6 Jun 77 470-472 (1B04)
- Daino, Benedetto, see Crosignani, Bruno; *T-MTT* v23 n5 May 75 416-420 (1B04)
- Dakermantji, G., see Joines, W. T.; *T-MTT* v24 n8 Aug 76 536-538 (1D06)
- Dalb, Arne Brejning; Interdigital microstrip circuit parameters using empirical formulas and simplified model; *T-MTT* v27 n8 Aug 79 744-752 (1C02)
- Dale, Charles H., and A. Ray Howland; Automated test equipment for phased-array modules; *T-MTT* v20 n1 Jan 72 10-17 (1B12)
- Dalley, James E.; Computer-aided microwave impedance measurements; *T-MTT* v17 n8 Aug 69 572-576
- Dalley, James E., see Dunn, Charles N.; *T-MTT* v17 n9 Sep 69 691-695
- Dalley, James E.; A strip-line directional coupler utilizing a nonhomogeneous dielectric medium; *T-MTT* v17 n9 Sep 69 706-712
- Dall'Oglio, G., see Corsi, S.; *T-MTT* v22 n12 Dec 74 1036-1041 (1E02)
- Dall'Oglio, G., S. Fonti, B. Melchiorri, V. Natale, Pietro P. Lombardini, Paolo Trivero, and S. Sivertsen; Measurements of the cosmic background in the 7-10-cm-1 atmospheric window (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Dalsgaard, Paul, see Andersen, Jørgen Bach; *T-MTT* v23 n7 Jul 75 555-560 (1B03)
- Daly, Daniel A., Stanley P. Knight, Martin Caulton, and Roald Ekholdt; Lumped elements in microwave integrated circuits; *T-MTT* v15 n12 Dec 67 713-721
- Daly, Daniel A., see Caulton, Martin; *T-MTT* v16 n7 Jul 68 397-404
- Daly, James C.; The application of Z-transform techniques to the analysis of paraxial ray propagation in beam waveguides; *T-MTT* v16 n2 Feb 68 95-98
- Daly, James C.; The analogy of beam waveguides to electric transmission lines (Corresp.); *T-MTT* v18 n9 Sep 70 657-658
- Daly, P.; Guided waves in moving media (Corresp.); *T-MTT* v15 n4 Apr 67 274-275
- Daly, P.; Variational expression, pseudoenergy, and power (Short p.); *T-MTT* v21 n2 Feb 73 113-114 (1E11)
- Daly, Peter, see Gruenberg, Harry; *T-MTT* v15 n11 Nov 67 636-642
- Daly, Peter; Hybrid-mode analysis of microstrip by finite-element methods; *T-MTT* v19 n1 Jan 71 19-25 (1C09)
- Daly, Peter; Polar geometry waveguides by finite-element methods; *T-MTT* v22 n3 Mar 74 202-209 (1D10)
- Damon, E. K., see Dawirs, H. N.; *T-MTT* v4 n2 Apr 56 94-96
- Damon, Richard W., and John R. Eshbach; Theoretical limitations to ferromagnetic parametric amplifier performance; *T-MTT* v8 n1 Jan 60 4-9
- D'Andrea, John A., see Hagmann, Mark J.; *T-MTT* v27 n9 Sep 79 809-813 (1D01)
- Daniel, H., see Brunner, F.; *T-MTT* v23 n3 Mar 75 319-320 (1D11)
- Danielewicz, E. J., and P. D. Coleman; Far infrared optical properties of selenium and cadmium telluride (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Danielewicz, Edward J., see Plant, Thomas K.; *T-MTT* v22 n12 Dec 74 988-990 (1A10)
- Daniels, William D., see Mellon, Donald W.; *T-MTT* v22 n12 Dec 74 1308-1312 (5B14)
- Danielsen, M.; Analysis of the power loss in the coupling mechanism of a cavity resonator (Short p.); *T-MTT* v20 n11 Nov 72 758-760 (1E10)
- Danos, M., and H. Lashinsky; Millimeter wave generation by Cerenkov radiation; *T-MTT* v2 n3 Sep 54 21-22
- Dansky, A. H., see Wallmark, J. T.; *T-MTT* v11 n4 Jul 63 260-262
- Darby, Barry J., see Grant, Peter M.; *T-MTT* v21 n4 Apr 73 288-300 (3C05)
- D'Arcangelo, T., see Stracca, G. B.; *T-MTT* v21 n8 Aug 73 544-547 (2B02)
- Darwent, A. P.; Symmetry in a high power circulator for 35 GHz (Corresp.); *T-MTT* v15 n2 Feb 67 120
- Das, B. N., see Kumar, Mahesh; *T-MTT* v25 n1 Jan 77 7-10. Correction, Nov 77 958 (1A09)
- Das, B. N., see Deshpande, M. D.; *T-MTT* v25 n11 Nov 77 954-957 (1A11)
- Das, B. N., see Pandharipande, V. M.; *T-MTT* v26 n3 Mar 78 209-212 (1F05)
- Das, B. N., see Deshpande, M. D.; *T-MTT* v26 n9 Sep 78 672-675. Correction, Jan 80 55 (1D04)
- Das, B. N., see Pandharipande, V. M.; *T-MTT* v27 n1 Jan 79 65-69 (1E11)
- Das, B. N., see Rao, J. S.; *T-MTT* v27 n4 Apr 79 299-303 (1A09)
- Das, B. N., see Deshpande, Manohar D.; *T-MTT* v27 n8 Aug 79 731-735 (1B03)
- Das, B. N., see Pandharipande, V. M.; *T-MTT* v27 n9 Sep 79 800-804 (1C06)
- Das, B. N., see Joshi, K. K.; *T-MTT* v28 n4 Apr 80 381-386
- Das, Dipti, and O. P. Rustogi; Uniform transmission line equivalence of cascaded exponential lines; *T-MTT* v16 n8 Aug 68 511-516
- Das, Pankaj, see Nag, Biswaranjan R.; *T-MTT* v10 n6 Nov 62 564-567
- Das, R.; Dielectric constant of Atlas at 9363 MHz (Corresp.); *T-MTT* v15 n1 Jan 67 61-62
- Das, S. N.; Quality of a ferroelectric material; *T-MTT* v12 n4 Jul 64 440-445
- Das, S. N.; Application of barium titanate compositions to parametric amplification (Corresp.); *T-MTT* v13 n2 Mar 65 245-247
- Das Gupta, Chinmoy; Microwave measurement of a complex dielectric constant over a wide range of values by means of a waveguide-resonator method; *T-MTT* v22 n4 Apr 74 365-372 (1B01)
- DaSilva, J. Borges; Electromagnetic wave propagation in twisted anisotropic media; *T-MTT* v16 n5 May 68 296-302
- Datta, A. N., and B. R. Nag; Techniques for the measurement of complex microwave conductivity and the associated errors; *T-MTT* v18 n3 Mar 70 162-166
- Datta, A. N., see Roy, P. K.; *T-MTT* v22 n2 Feb 74 144-146 (1E10)
- Daub, D., see van Welzenis, R. G.; *T-MTT* v18 n5 May 70 280-282
- Daumas, R., D. Pompei, E. Rivier, and A. Ros; Faster impedance estimation for coupled microstrips with an overrelaxation method (Short p.); *T-MTT* v21 n8 Aug 73 552-556 (2B10)
- Daumas, Robert, see Ros, Alain; *T-MTT* v23 n8 Aug 75 703-706 (2A07)
- Dave, Himanshu B.; Analysis of waveguide modes by standing-wave pattern measurements; *T-MTT* v10 n4 Jul 62 274-278
- David, Sidney; A wideband coaxial-line power divider (Corresp.); *T-MTT* v15 n4 Apr 67 270-271
- Davidson, E. G. S., see Helszajn, Joseph; *T-MTT* v25 n3 Mar 77 190-196 (1B10)
- Davies, Graham J., see Chamberlain, John; *T-MTT* v22 n12 Dec 74 1028-1032 (1D08)
- Davies, J. B., see Humphreys, B. L.; *T-MTT* v10 n6 Nov 62 551-554
- Davies, J. B.; An analysis of the *m*-port symmetrical *H*-plane waveguide junction with central ferrite post; *T-MTT* v10 n6 Nov 62 596-604
- Davies, J. B., see Humphreys, B. L.; *T-MTT* v11 n4 Jul 63 263
- Davies, J. B., and Philip Cohen; Theoretical design of symmetrical junction stripline circulators; *T-MTT* v11 n6 Nov 63 506-512
- Davies, J. B., see Muilwyk, C. A.; *T-MTT* v15 n3 Mar 67 199-200
- Davies, J. B.; Propagation in rectangular waveguide filled with skew uniaxial dielectric; *T-MTT* v15 n6 Jun 67 372-376
- Davies, J. B., see Muilwyk, Cornelis A.; *T-MTT* v15 n8 Aug 67 450-455
- Davies, J. B., see Parsonson, C. G.; *T-MTT* v16 n4 Apr 68 256-258
- Davies, J. B., see Saad, Saad S.; *T-MTT* v25 n5 May 77 437-440 (2A01)
- Davies, J. Brian, see Bulley, Raymond M.; *T-MTT* v17 n8 Aug 69 440-446
- Davies, J. Brian, see Corr, Douglas G.; *T-MTT* v20 n10 Oct 72 669-678 (1E01)
- Davies, J. Brian; A least-squares boundary residual method for the numerical solution of scattering problems; *T-MTT* v21 n2 Feb 73 99-104 (1D09)
- Davies, J. Brian, see LaRiviere, Hugh J. A.; *T-MTT* v23 n5 May 75 436-441 (1C10)
- Davies, J. Brian, and D. Mirshekar-Syahkal; Spectral domain solution of arbitrary coplanar transmission line with multilayer substrate (Short p.); *T-MTT* v25 n2 Feb 77 143-146 (1E07)
- Davies, J. Brian, see Razaz, M.; *T-MTT* v27 n6 Jun 79 564-569 (1A10)
- Davies, J. Brian, see Mirshekar-Syahkal, D.; *T-MTT* v27 n7 Jul 79 694-699 (1E12)
- Davies, J. Brian, see Mirshekar-Syahkal, D.; *T-MTT* v28 n3 Mar 80 274-275
- Davies, O. J., see Saad, Saad S.; *T-MTT* v25 n5 May 77 437-440 (2A01)
- Davies, R., see Aitchison, C. S.; *T-MTT* v16 n1 Jan 68 46-47
- Davies, R., see Aitchison, C. S.; *T-MTT* v20 n2 Feb 72 181-182 (2E03)
- Davies, Robert, see Aitchison, Colin S.; *T-MTT* v15 n1 Jan 67 22-31
- Davies, Robert, see Aitchison, Colin S.; *T-MTT* v19 n12 Dec 71 928-937 (1D12)
- Davies, Robert, see Corbey, Colin D.; *T-MTT* v24 n1 Jan 76 31-39 (1C05)
- Davies, Robert, see Higgins, Ian D.; *T-MTT* v25 n5 May 77 412-416 (1F02)
- Davis, J. I.; Technique of pulsing low power reflex klystrons; *T-MTT* v4 n1 Jan 56 40-47
- Davis, L. E., and S. R. Longley; *E*-plane 3-port *X*-band waveguide circulators (Corresp.); *T-MTT* v11 n5 Sep 63 443-445
- Davis, L. E., M. D. Coleman, and John J. Cotter; Four-port crossed-waveguide junction circulators; *T-MTT* v12 n1 Jan 64 43-47
- Davis, L. E.; Permeability of toroids in latching ferrite devices (Corresp.); *T-MTT* v14 n2 Feb 66 95-97
- Davis, Lionel E., see Castillo, Joseph B., Jr.; *T-MTT* v18 n1 Jan 70 25-34
- Davis, Lionel E., see Castillo, Joseph B., Jr.; *T-MTT* v19 n1 Jan 71 112-113 (3B01)
- Davis, Lionel E., see Havemann, R. H.; *T-MTT* v19 n1 Jan 71 113-116 (3B02)
- Davis, Lionel E., see Castillo, Joseph B., Jr.; *T-MTT* v20 n6 Jun 72 410-412
- Davis, Luther, Jr., see Milano, Ugo; *T-MTT* v8 n3 May 60 346-351
- Davis, M. E., E. W. Williams, and A. C. Celestini; Finite-boundary corrections to the coplanar waveguide analysis (Short p.); *T-MTT* v21 n9 Sep 73 594-596 (1C12)
- Davis, Mark E.; Integrated diode phase-shifter elements for an *X*-band phased-array antenna (Short p.); *T-MTT* v23 n12 Dec 75 1080-1084 (2D03)
- Davis, Richard M.; $\lambda/4$ parallel-staggered microwave filters (Corresp.); *T-MTT* v17 n7 Jul 69 404-406
- Davis, Ronald E., and Raymond C. Dearle; A method for the accurate measurement of the noise temperature ratio of microwave mixer crystals; *T-MTT* v3 n6 Dec 55 27-35
- Davis, W. Alan, and Peter J. Khan; Coaxial bandpass filter design; *T-MTT* v19 n4 Apr 71 373-380 (1D05)
- Davis, W. Alan, and Peter J. Khan; Effect of upper sideband impedance on a lower sideband up-converter; *T-MTT* v21 n6 Jun 73 386-392 (1C08)
- Davis, W. Alan; Design equations and bandwidth of loaded-line phase shifters (Short p.); *T-MTT* v22 n5 May 74 561-563 (2B06)
- Dawirs, H. N., and E. K. Damon; Measurement of crystal impedances at low levels; *T-MTT* v4 n2 Apr 56 94-96
- Dawirs, Harvel N.; Graphical filter analysis; *T-MTT* v3 n1 Jan 55 15-21
- Dawirs, Harvel N.; Equivalent circuit of a series gap in the center conductor of a coaxial transmission line (Corresp.); *T-MTT* v17 n2 Feb 69 127-129
- Dawson, R. H.; Equivalent circuit of the Schottky-barrier field-effect transistor at microwave frequencies (Short p.); *T-MTT* v23 n6 Jun 75 499-501 (1C13)
- Dawson, R. W., and L. P. Marinaccio; High-*Q* microwave filters employing IMPATT active elements (Corresp.); *T-MTT* v15 n4 Apr 67 272-273
- Day, P. I.; Transmission line transformation between arbitrary impedances using the Smith chart (Ltr.); *T-MTT* v23 n9 Sep 75 772-773 (1D12)
- Day, Walter R., Jr.; Injection phase locking of two-cavity klystron oscillators (Corresp.); *T-MTT* v11 n5 Sep 63 436
- Day, Walter R., Jr.; Dielectric resonators as microstrip-circuit elements (Corresp.); *T-MTT* v18 n12 Dec 70 1175-1176
- Daywitt, W. C.; A reference noise standard for millimeter waves (Short p.); *T-MTT* v21 n12 Dec 73 845-847 (3B12)
- Deam, Andrew P., see Cogdell, John R.; *T-MTT* v8 n2 Mar 60 151-155
- Dean, Michael, and Michael J. Howes; *J*-band transferred-electron oscillators; *T-MTT* v21 n3 Mar 73 121-127 (1B03)

- Dean, Raymond H., Arthur B. Dreeben, John J. Hughes, Ralph J. Matarese, and Louis S. Napoli; Broad-band microwave measurements on GaAs 'traveling-wave' transistors; *T-MTT* v21 n12 Dec 73 805-809 (2C03)
- Dearle, Raymond C., see Davis, Ronald E.; *T-MTT* v3 n6 Dec 55 27-35
- DeBrecht, Robert E., see Caulton, Martin; *T-MTT* v19 n7 Jul 71 588-599 (1C10)
- DeBrecht, Robert E.; Impedance measurements of microwave lumped elements from 1 to 12 GHz; *T-MTT* v20 n1 Jan 72 41-48 (1E07)
- de Buda, Rudolf G.; A method of calculating the characteristic impedance of a strip transmission line to a given degree of accuracy; *T-MTT* v6 n4 Oct 58 440-446
- DeCamp, Edward E., Jr., and Robert M. True; 1-MW four-port E-plane junction circulator (Corresp.); *T-MTT* v19 n1 Jan 71 100-103 (2E08)
- Decker, David R., Charles N. Dunn, and Richard L. Frank; Large-signal silicon and germanium avalanche-diode characteristics; *T-MTT* v18 n11 Nov 70 872-876
- De Clerca, Erik, see Szmigielski, Stanislaw; *T-MTT* v26 n8 Aug 78 520-522 (1A06)
- Decreton, Marc, Etienne Loute, Andre S. Vander Vorst, and Fred E. Gardiol; Computer optimization of E-plane resonance isolators; *T-MTT* v19 n3 Mar 71 322-331 (2B08)
- Decreton, Marc C., and Munikoti S. Ramachandiraiah; Nondestructive measurement of complex permittivity for dielectric slabs (Short p.); *T-MTT* v23 n12 Dec 75 1077-1080 (2C14)
- Degenford, J. E., and M. D. Sirkis; A vacuum forming technique for the fabrication of spherical or prolate spheroidal reflectors (Corresp.); *T-MTT* v11 n6 Nov 63 553
- Degenford, J. E., J. R. Baird, and E. Yamashita; A magnetic loop, diode detector compatible with microwave and beam waveguides (Corresp.); *T-MTT* v13 n3 May 65 380-382
- Degenford, James E., Murray D. Sirkis, and William H. Steier; The reflecting beam waveguide; *T-MTT* v12 n4 Jul 64 445-453
- Degenford, James E., and Burton A. Newman; Analysis and design of a low-noise X-band MIC mixer 1-GHz IF amplifier; *T-MTT* v23 n4 Apr 75 375-376 (1D11)
- Degenford, James E., see Cohn, Marvin; *T-MTT* v23 n8 Aug 75 667-673 (1E09)
- De Gruyl, Johannes A., Seymour Okwit, and Joseph G. Smith; Noise considerations in broad-band traveling-wave masers; *T-MTT* v16 n9 Sep 68 586-595
- Deirmendjian, D.; Attenuation of submillimeter radiation by clouds and rain (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- De Jager, Jan T.; Maximum bandwidth performance of a nondegenerate parametric amplifier with single-tuned idler circuit; *T-MTT* v12 n4 Jul 64 459-467
- Dekkers, J. J. M., see Venema, A.; *T-MTT* v23 n9 Sep 75 765-767 (1D05)
- Dekkers, Jozef J. M., see Venema, Adrian; *T-MTT* v26 n4 Apr 78 556-569 (1F02)
- Dekleva, J., see Barrington, A. E.; *T-MTT* v8 n6 Nov 60 597-604
- de Koning, J. G., R. J. Hamilton Jr., and T. L. Hierl; Full-band low-loss continuous tracking circulation in K band (Short p.); *T-MTT* v25 n2 Feb 77 152-155 (1F02)
- Comments, *T-MTT* v26 n4 Apr 78 314 (2A01)
- de Koning, Joseph G., R. E. Goldwasser, R. J. Hamilton Jr., and F. E. Rosztoczy; Gunn-effect amplifiers for microwave communication systems in X, Ku, and Ka bands; *T-MTT* v23 n4 Apr 75 367-374 (1D03)
- De La Rue, R. M., see Ash, Eric A.; *T-MTT* v17 n11 Nov 69 882-892
- De La Rue, Richard, see Snyder, Allan W.; *T-MTT* v18 n9 Sep 70 650-651
- deLateur, Barbara J., see Lehmann, Justus F.; *T-MTT* v26 n8 Aug 78 556-563 (1C14)
- Deleuil, Roger, see Blik, Patrick J.; *T-MTT* v28 n10 Oct 80 1119-1125
- Della Torre, E., see Kinsner, W.; *T-MTT* v21 n5 May 73 365 (1F07)
- Della Torre, E., and W. Kinsner; Solution to waveguide problems by successive extrapolated relaxation (Short p.); *T-MTT* v21 n7 Jul 73 490-491 (2B09)
- Della Torre, Edward, see Kinsner, W. M.; *T-MTT* v22 n3 Mar 74 221-228 (1F01)
- DeLoach, B. C., Jr.; Thin skin IMPATTs (Corresp.); *T-MTT* v18 n1 Jan 70 72-74
- DeLoach, Bernard C.; Radial-line coaxial filters in the microwave region; *T-MTT* v11 n1 Jan 63 50-55
- DeLoach, Bernard C.; A new microwave measurement technique to characterize diodes and an 800-Gc cutoff frequency varactor at zero volts bias; *T-MTT* v12 n1 Jan 64 15-20
- DeLoach, Bernard C.; Direct- and quarter-wave-coupled microwave band-pass filters with adjustable transmission characteristics and fixed center frequencies; *T-MTT* v12 n1 Jan 64 73-77
- DeLoach, Bernard C., Jr.; Step-twist-junction waveguide filters; *T-MTT* v9 n2 Mar 61 130-135
- Delogne, Paul P., and Auguste A. Laloux; Theory of the slotted coaxial cable; *T-MTT* v28 n10 Oct 80 1102-1107
- Delvaux, J., see Buzzi, J. M.; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- De Marinis, Bernard D., and Martin Caulton; The 1976 International Microwave Symposium; *T-MTT* v24 n12 Dec 76 904-909 (1A06)
- DeMeo, E. A., see Chen, C.-H.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- de Mesquita, D. G., and A. G. Bailey; A symmetrically excited microwave rotary joint (Corresp.); *T-MTT* v18 n9 Sep 70 654-656
- Denison, Edmund, see Wasse, Michael P.; *T-MTT* v19 n7 Jul 71 616-622 (1F02)
- Denker, Stephen P., see Berger, Henry; *T-MTT* v18 n2 Feb 70 105-111
- Denlinger, E., see Belohoubek, E. F.; *T-MTT* v23 n6 Jun 75 522-526 (1E08)
- Denlinger, E. J.; Design of partial height ferrite waveguides circulators (Short p.); *T-MTT* v22 n8 Aug 74 810-813 (1D14)
- Denlinger, Edgar J.; Radiation from microstrip resonators (Corresp.); *T-MTT* v17 n4 Apr 69 235-236
- Denlinger, Edgar J.; Frequency dependence of a coupled pair of microstrip lines (Corresp.); *T-MTT* v18 n10 Oct 70 731-733
- Denlinger, Edgar J.; A frequency dependent solution for microstrip transmission lines; *T-MTT* v19 n1 Jan 71 30-39 (1D08)
- Denlinger, Edgar J., Jerome Rosen, Edward Mykiety, and Eugene C. McDermott Jr.; Microstrip varactor-tuned millimeter-wave IMPATT diode oscillators; *T-MTT* v23 n12 Dec 75 953-958 (1B01)
- Denlinger, Edgar J.; Losses of microstrip lines; *T-MTT* v28 n6 Jun 80 513-522
- Denson, Colin I., and G. John Halford; Plasma noise sources of improved accuracy; *T-MTT* v16 n9 Sep 68 655-663
- de Ronde, Frans C., H. J. G. Meyer and Oscar W. Memelink; The *p-i-n* modulator, an electrically controlled attenuator for mm and sub-mm waves; *T-MTT* v8 n3 May 60 325-327
- de Ronde, Frans C.; A universal wall-current detector; *T-MTT* v12 n1 Jan 64 112-117
- de Ronde, Frans C.; Improvement of the wall-current detector (Corresp.); *T-MTT* v12 n6 Nov 64 616
- de Ronde, Frans C.; A precise and sensitive X-band reflecto 'meter' providing automatic full-band display of reflection coefficient; *T-MTT* v13 n4 Jul 65 435-440
- de Ronde, Frans C.; A simple full-band matched 180° E plane waveguide bend (Ltr.); *T-MTT* v28 n4 Apr 80 432-433
- DeRosa, F., see Norton, P.; *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Derr, V. E., see Strauch, R. G.; *T-MTT* v13 n4 Jul 65 473-474
- Derycke, A. C., see Kramer, Bernard M.; *T-MTT* v24 n11 Nov 76 861-863 (3A09)
- de Santis, Pietro, and Giorgio Franceschetti; Hybrid-frequency cutoffs in gyrotropic waveguides (Short p.); *T-MTT* v20 n3 Mar 72 237-238 (1E03)
- de Santis, Pietro, and F. Pucci; The edge-guided-wave circulator (Short p.); *T-MTT* v23 n6 Jun 75 516-519 (1E02)
- de Santis, Pietro, and Fioravante Pucci; Symmetrical four-port edge-guided wave circulators; *T-MTT* v24 n1 Jan 76 10-18 (1A12)
- de Santis, Pietro; Fringing-field effects in edge-guided wave devices; *T-MTT* v24 n7 Jul 76 409-415 (1B05)
- de Santis, Pietro; High azimuthal-index resonances in ferrite MIC disk resonators; *T-MTT* v25 n5 May 77 360-367 (1B06)
- de Santis, Pietro, see Willing, Harry A.; *T-MTT* v26 n12 Dec 78 1017-1023 (2A01)
- de Santis, Pietro; Extension of existing models to ion-implanted MESFETs; *T-MTT* v28 n6 Jun 80 638-647
- de Santis, Pietro; On the design of temperature stabilized delay lines (Short p.); *T-MTT* v28 n9 Sep 80 1028-1029
- Desch, R. F., see Adams, J. W.; *T-MTT* v16 n3 Mar 68 201-202
- Desch, R. F., see Larson, Wilbur; *T-MTT* v18 n2 Feb 70 112-113
- Deschamps, G. A.; Theoretical aspects of microstrip waveguides; *T-MTT* v2 n1 Apr 54 100-102
- Deschamps, Georges; A new chart for the solution of transmission line and polarization problems; *T-MTT* v1 n1 Mar 53 5-13. Correction, Nov 53 44
- Comments, *T-MTT* v2 n2 Jul 54 64
- Deschamps, Georges; A variant in the measurement of two-port junctions; *T-MTT* v5 n2 Apr 57 159-161
- Deshpande, M. D., and B. N. Das; Input impedance of coaxial line to circular waveguide feed; *T-MTT* v25 n11 Nov 77 954-957. Correction, *T-MTT* v26 n4 Apr 78 315 (2A02)
- Comments, *T-MTT* v27 n3 Mar 79 284-285 (1E14)
- Deshpande, M. D., and B. N. Das; Analysis of an end launcher for a circular cylindrical waveguide; *T-MTT* v26 n9 Sep 78 672-675. Correction, Jan 80 55
- Comments, *T-MTT* v27 n6 Jun 79 621 (1E11)
- Deshpande, Manohar D., B. N. Das, and Gitindra S. Sanyal; Analysis of an end launcher for an X-band rectangular waveguide; *T-MTT* v27 n8 Aug 79 731-735 (1B03)
- DeTemple, Thomas A., see Plant, Thomas K.; *T-MTT* v22 n12 Dec 74 988-990 (1A10)
- Dettinger, David, and Robert D. Wengenroth; A standard waveguide spark gap; *T-MTT* v1 n1 Mar 53 39-48
- Dettinger, David; The advantages of expressing standing-wave ratio in decibels (Corresp.); *T-MTT* v5 n3 Jul 57 218
- Dettinger, David; Discussion on optimum bead spacing (Corresp.); *T-MTT* v7 n4 Oct 59 477
- Deutsch, Rudolf; Toroidal resonator with a conducting separating wall; *T-MTT* v27 n2 Feb 79 172-178 (1F12)
- Deutsch, Rudolf, see Cap, Ferdinand; *T-MTT* v28 n7 Jul 80 700-703
- Deutsch, Rudolf; The influence of the energy dissipation and of the geometry on toroidal resonators with a conducting separating wall; *T-MTT* v28 n9 Sep 80 1014-1017
- Deutsch, Rudolph, see Cap, Ferdinand; *T-MTT* v26 n7 Jul 78 478-486 (1B10)
- de Vecchis, M., see Courtois, L.; *T-MTT* v23 n6 Jun 75 511-516 (1D11)
- Devor, Donald P.; Extension of the laser-pumped ruby maser to millimeter wavelengths; *T-MTT* v11 n4 Jul 63 251-254
- de Vrij, G., see Rozzi, Tullio E.; *T-MTT* v20 n11 Nov 72 770-771 (2B01)
- Dewar, William J., and John C. Beal; Coaxial-slot surface wave launchers; *T-MTT* v18 n8 Aug 70 449-455
- Diament, P., see Schlesinger, S. P.; *T-MTT* v8 n2 Mar 60 252-253
- Diament, P., and S. P. Schlesinger; Discrepancies in dielectric waveguide mode cutoff conditions (Corresp.); *T-MTT* v13 n6 Nov 65 884-885
- Diament, Paul, S. Perry Schlesinger, and Arvids Vigants; A dielectric surface-wave structure: The V-line; *T-MTT* v9 n4 Jul 61 332-337
- Diament, Paul, see Zuckerman, Douglas N.; *T-MTT* v25 n7 Jul 77 613-619 (1D07)
- Diament, Paul, see Zuckerman, Douglas N.; *T-MTT* v25 n9 Sep 77 768-773 (1D10)
- DiBartolo, J., see Ince, William J.; *T-MTT* v19 n1 Jan 71 105-107 (2F01)
- DiBartolo, J., see Ince, William J.; *T-MTT* v20 n10 Oct 72 705-707 (2C05)
- Dickens, L. E., and C. R. Gneiting; A tunnel-diode amplifying converter (Corresp.); *T-MTT* v9 n1 Jan 61 99-101
- Dickens, L. E.; Push-pull tunnel diodes (Corresp.); *T-MTT* v9 n4 Jul 61 361
- Dickens, Lawrence E.; Millimeter wave diodes for harmonic power generation; *T-MTT* v15 n1 Jan 67 32-37
- Dickens, Lawrence E.; Spreading resistance as a function of frequency; *T-MTT* v15 n2 Feb 67 101-109
- Dickens, Lawrence E., and Douglas W. Maki; An integrated-circuit balanced mixer, image and sum enhanced; *T-MTT* v23 n3 Mar 75 276-281 (1A10)
- Dickinson, Richard M.; The beamed power in microwave transmitting antenna; *T-MTT* v26 n5 May 78 335-340 (1B03)
- Dickman, Robert L., see Wilson, William J.; *T-MTT* v28 n3 Mar 80 186-190
- DiDomenico, Mauro, Jr., and Richard H. Pantell; An X-band ferroelectric phase shifter; *T-MTT* v10 n3 May 62 179-185
- Dienst, Joseph F.; A note on the derivation of the fields in a radial line (Corresp.); *T-MTT* v8 n5 Sep 60 571-572
- Dietrich, A. F., and W. M. Sharpless; Carrier pulses at microwave and millimeter-wave frequencies; *T-MTT* v12 n3 May 64 316-322
- Dijk, Jakob, Corstiaan Kramer, Eduard J. Maanders, and Adriaan C. A. van der Vorst; Digitized antenna measurements; *T-MTT* v20 n1 Jan 72 48-51 (1F02)
- DiLorenzo, James V., and William R. Wiseman; GaAs power MESFETs: Design, fabrication, and performance; *T-MTT* v27 n5 May 79 367-378 (1A05)
- Dinger, Robert J., Thomas M. Waugh, and David J. White; Nonreciprocal properties of vacuum-deposited InSb films at 87 GHz (Short p.); *T-MTT* v22 n10 Oct 74 879-880 (1C05)
- D'Inzeo, Guglielmo, Franco Giannini, Cesare M. Sodi, and Roberto Sorrentino; Method of analysis and filtering properties of microwave planar networks; *T-MTT* v26 n7 Jul 78 462-471 (1A08)
- D'Inzeo, Guglielmo, Franco Giannini, and Roberto Sorrentino; Wide-band equivalent circuits of microwave planar networks; *T-MTT* v28 n10 Oct 80 1107-1113
- Di Porto, Paolo, see Crosignani, Bruno; *T-MTT* v23 n5 May 75 416-420 (1B04)

- Dishal, M.:** A simple design procedure for small percentage bandwidth round-rod interdigital filters (Corresp.); *T-MTT v13 n5 Sep 65* 696-698
- Dix, C. H.:** Some measurements of traveling-wave tube attenuators at 2000 mc (Corresp.); *T-MTT v8 n1 Jan 60* 121-122
- Dixon, S., Jr.,** see Carter, J. L.; *T-MTT v9 n2 Mar 61* 195-197
- Dmitrevsky, S.,** and P. C. Kremer; Double-amplification mode maser (Short p.); *T-MTT v21 n6 Jun 73* 426-427 (2C03)
- Dobratz, Burton E.,** Nelson H., Charles F. Krumm, and Paul T. Greiling; Gallium-arsenide FET logic pseudorandom code generator; *T-MTT v28 n5 May 80* 486-490
- Dobrov, Wadim I.,** see Hance, Harold V.; *T-MTT v17 n11 Nov 69* 963-967
- Dobson, J.,** see Williams, Colin B.; *T-MTT v13 n6 Nov 65* 806-814
- Dodson, Brooks C., Jr.,** and Wesley H. Weisenberger; Reliability testing of microwave transistors for array-radar applications; *T-MTT v22 n12 Dec 74* 1239-1246 (4C10)
- Doerbeck, Fredrich H.,** see Sokolov, Vladimir; *T-MTT v27 n12 Dec 79* 1058-1065 (2C09)
- Doerbeck, Friedrich H.,** see Tserng, Hua Quen; *T-MTT v26 n10 Oct 78* 774-778 (1F02)
- Domenico, A. J.,** see Dunn, V. E.; *T-MTT v16 n12 Dec 68* 1060-1061
- Donaldson, Merle R.,** see Amoss, John W.; *T-MTT v13 n6 Nov 65* 789-793
- Donaldson, Merle R.,** see Horton, John B.; *T-MTT v15 n9 Sep 67* 517-523
- Donnelly, J. P.,** see Murphy, R. A.; *T-MTT v25 n6 Jun 77* 494-495 (1C14)
- Dorleijn, J. W. F.,** see Hudson, Andrew S.; *T-MTT v19 n1 Jan 71* 119-120 (3B08)
- Dorman, P. W.:** A single-tuned oscillator circuit for Gunn diode characterizations (Short p.); *T-MTT v20 n10 Oct 72* 701-702 (2C01)
- Dormann, Jean Louis,** see Gastine, Monique; *T-MTT v15 n12 Dec 67* 694-700
- Dorschner, Terry A.,** see Vernon, Ronald J.; *T-MTT v19 n3 Mar 71* 287-294 (1D07)
- dos Santos, A. F.,** and J. P. Figanier; The method of series expansion in the frequency domain applied to multielectric transmission lines (Short p.); *T-MTT v23 n9 Sep 75* 753-756 (1C07)
- dos Santos, Antonio F.,** and Victor R. Vieira; The Green's function for Poisson's equation in a two-dielectric region (Short p.); *T-MTT v20 n11 Nov 72* 777 (2B08)
- Doswell, A.,** and D. J. Harris; Modified H guide for millimeter and submillimeter wavelengths (Short p.); *T-MTT v21 n9 Sep 73* 587-589 (1C05)
- Doswell, A.,** see Batt, R. J.; *T-MTT v22 n12 Dec 74* 1089-1094 (2A14)
- Doucet, H. J.,** see Buzzi, J. M.; *T-MTT v25 n6 Jun 77* 559-560 (2C04)
- Douthett, D.,** and I. Kaufman; The unloaded Q of a YIG resonator from X-band to 4 millimeters (Corresp.); *T-MTT v9 n3 May 61* 261-262
- Douville, R.:** A 12-GHz low-cost earth terminal for direct TV reception from broadcast satellites; *T-MTT v25 n12 Dec 77* 1000-1008 (1C10)
- Douville, Rene J. P.,** and David S. James; Experimental study of symmetric microstrip bends and their compensation; *T-MTT v26 n3 Mar 78* 175-182 (1C13)
- Downton, D. W.,** and P. D. Lomer; A pre-TR tube for high mean power duplexing; *T-MTT v8 n6 Nov 60* 654-659
- Dozier, J. W.,** see King, D. D.; *T-MTT v12 n2 Mar 64* 256
- Dozier, J. W.,** and J. D. Rodgers; Electrolytic pointing of fine wires (Corresp.); *T-MTT v12 n3 May 64* 360. Correction, Sep 64 572
- Dragone, Corrado;** Attenuation and radiation characteristics of the HE₁₁-mode; *T-MTT v28 n7 Jul 80* 704-710
- Draine, B. T.,** and A. J. Sievers; A far infrared bolometer at 0.10 K (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Dreeben, Arthur B.,** see Dean, Raymond H.; *T-MTT v21 n12 Dec 73* 805-809 (2C03)
- Drew, H. D.,** see Verdun, H. R.; *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Drobot, A. T.,** see Sprangle, P.; *T-MTT v25 n6 Jun 77* 528-544 (2A01)
- Drobot, Adam T.,** see Chu, Kwo Ray; *T-MTT v27 n2 Feb 79* 178-187 (1G04)
- Drobot, Adam T.,** see Chu, Kwo Ray; *T-MTT v28 n4 Apr 80* 313-317
- Drobot, Adam T.,** see Read, Michael E.; *T-MTT v28 n8 Aug 80* 875-878
- Drobot, Adam T.,** see Silverstein, Joseph Dov; *T-MTT v28 n9 Sep 80* 962-966
- Dropkin, Herbert A.,** see Cacheris, John C.; *T-MTT v4 n3 Jul 56* 152-155
- Drury, David M.,** and T. Koryu Ishii; Theory of infrared and optical frequency amplification in metal-barrier-metal diodes; *T-MTT v27 n6 Jun 79* 598-603 (1D02)
- Du, Li-jen,** and Ralph T. Compton Jr.; Cutoff phenomena for guided waves in moving media; *T-MTT v14 n8 Aug 66* 358-363
- Dubrowsky, Leonard,** see Klein, Gerald; *T-MTT v15 n3 Mar 67* 172-179
- Ducoff, Howard S.,** see Lai, Ping-Kwong; *T-MTT v26 n8 Aug 78* 530-534 (1B02)
- Dufort, Edward C.,** see Jones, William R.; *T-MTT v19 n5 May 71* 451-458 (1D07)
- DuHamel, Raymond H.,** and James W. Duncan; Launching efficiency of wires and slots for a dielectric rod waveguide; *T-MTT v6 n3 Jul 58* 277-284
- DuHamel, Raymond H.,** and Myron E. Armstrong; Log-periodic transmission line circuits—Part I: One-port circuits; *T-MTT v14 n6 Jun 66* 264-274
- Duncan, B. J.,** and Basil C. Vafiades; Design of a full waveguide bandwidth high-power isolator; *T-MTT v6 n4 Oct 58* 411-414
- Duncan, Bobby J.,** see Fleri, Dominic; *T-MTT v6 n1 Jan 58* 91-96
- Duncan, James W.,** see DuHamel, Raymond H.; *T-MTT v6 n3 Jul 58* 277-284
- Duncan, James W.:** The efficiency of excitation of a surface wave on a dielectric cylinder; *T-MTT v7 n2 Apr 59* 257-268
- Duncan, James W.:** Characteristic impedances of multiconductor strip transmission lines; *T-MTT v13 n1 Jan 65* 107-118
- Duncan, James W.:** The accuracy of finite-difference solutions of Laplace's equation; *T-MTT v15 n10 Oct 67* 575-582
- Duncan, L. W.:** Computation of RF surface resistance using the anomalous skin effect theory (Corresp.); *T-MTT v16 n2 Feb 68* 130-131
- Dunn, Charles N.,** and James E. Dalley; Computer-aided small-signal characterization of IMPATT diodes; *T-MTT v17 n9 Sep 69* 691-695
- Dunn, Charles N.,** see Decker, David R.; *T-MTT v18 n11 Nov 70* 872-876
- Dunn, Donald A.,** see McLaughlin, John W.; *T-MTT v6 n3 Jul 58* 314-316
- Dunn, F. A.,** see Weiss, M. T.; *T-MTT v6 n3 Jul 58* 331
- Dunn, James G.,** see Kashyap, S. C.; *T-MTT v24 n2 Feb 76* 125-126 (1E03)
- Dunn, John H.,** and Dean D. Howard; Radar target amplitude, angle, and Doppler scintillation from analysis of the echo signal propagating in space; *T-MTT v16 n9 Sep 68* 715-728
- Dunn, V.,** see McChesney, G.; *T-MTT v15 n3 Mar 67* 198-199
- Dunn, V. E.,** and A. J. Domenico; Recent advances in microstrip circulators (Corresp.); *T-MTT v16 n12 Dec 68* 1060-1061
- Dunsmore, M. R. B.,** see Baynham, A. C.; *T-MTT v21 n2 Feb 73* 111-113 (1E09)
- Dupuis, Paul A.,** and Edward G. Cristal; Folded-line and hybrid folded-line bandstop filters (Short p.); *T-MTT v22 n12 Dec 74* 1312-1316 (5C04)
- Duput, A. M.,** and A. C. Priou; Computer analysis of microwave propagation in a ferrite loaded circular waveguide—Optimization of phase-shifter longitudinal field sections; *T-MTT v22 n6 Jun 74* 601-613 (1B01)
- Durney, Carl H.,** see Lords, James L.; *T-MTT v21 n12 Dec 73* 834-836 (3B01)
- Durney, Carl H.,** Curtis C. Johnson, and Habib Massoudi; Long-wavelength analysis of plane wave irradiation of a prolate spheroidal model of man; *T-MTT v23 n2 Feb 75* 246-253 (1E08)
- Durney, Carl H.,** see Johnson, Curtis C.; *T-MTT v23 n6 Jun 75* 529-532 (1F01)
- Durney, Carl H.,** see Johnson, Curtis C.; *T-MTT v23 n9 Sep 75* 739-747 (1B07)
- Durney, Carl H.,** see Tinney, Charles E.; *T-MTT v24 n1 Jan 76* 18-24 (1B06)
- Durney, Carl H.,** see Massoudi, Habib; *T-MTT v25 n1 Jan 77* 41-46 (1D01)
- Durney, Carl H.,** see Massoudi, Habib; *T-MTT v25 n1 Jan 77* 47-52 (1D07)
- Durney, Carl H.,** see Hagmann, Mark J.; *T-MTT v25 n10 Oct 77* 831-832 (1B13)
- Durney, Carl H.,** see Hagmann, Mark J.; *T-MTT v26 n11 Nov 78* 904-908 (1E06)
- Durney, Carl H.,** Magdy F. Iskander, Habib Massoudi, and C. C. Johnson; An empirical formula for broad-band SAR calculations of Prolate Spheroidal models of humans and animals; *T-MTT v27 n8 Aug 79* 758-763 (1D02)
- Durney, Carl H.,** see Hagmann, Mark J.; *T-MTT v27 n9 Sep 79* 804-809 (1C10)
- Durney, Carl H.,** see Massoudi, Habib; *T-MTT v27 n10 Oct 79* 825-830 (1A03)
- Durney, Carl H.,** see Iskander, Magdy, F.; *T-MTT v28 n7 Jul 80* 801-807
- Durrett, Clay S., Jr.,** see McDuff, Odís P.; *T-MTT v12 n5 Sep 64* 541-546
- Dutta Roy, Suhash C.:** On high-pass transmission-line directional couplers (Corresp.); *T-MTT v17 n7 Jul 69* 400
- Dutta Roy, Suhash C.:** Comments on 'Wave propagation on nonuniform transmission lines' by Berquist, Ake; *T-MTT v22 n2 Feb 74* 149-150
- Duxbury, G. T. J.** Gamble, and H. Herman; Assignments of optically pumped laser lines of 1,1-difluoroethylene (Short p.); *T-MTT v22 n12 Dec 74* 1108-1109 (2C05)
- Dybdal, Robert B.,** Leon Peters Jr., and William H. Peake; Rectangular waveguides with impedance walls; *T-MTT v19 n1 Jan 71* 2-9 (1B04)
- Dydyk, Michael;** Efficient power combining; *T-MTT v28 n7 Jul 80* 755-762
- Dyer, G. R.,** M. J. Howes, and D. V. Morgan; Schottky barrier impedance measurements at UHF (Short p.); *T-MTT v28 n4 Apr 80* 429-430
- Dyke, Ed:** A microwave radio system for pipeline use (Digest); *T-MTT v2 n1 Apr 54* 60-62
- Dyson, J. D.,** see Mayes, P. E.; *T-MTT v9 n2 Mar 61* 203-204
- Dyson, John D.:** The measurement of phase at UHF and microwave frequencies; *T-MTT v14 n9 Sep 66* 410-423
- Dyson, John D.,** and Rolando Ginyovszky; Balanced transmission-line measurements using coaxial equipment (Corresp.); *T-MTT v19 n1 Jan 71* 94-96 (2E02)

E

- Eaglesfield, C. C.,** see Solymar, L.; *T-MTT v8 n1 Jan 60* 61-65
- Earle, Michael A.,** and P. Benedek; Characteristic impedance of dielectric supported strip transmission line (Corresp.); *T-MTT v16 n10 Oct 68* 884-885
- East, J. R.,** see Iijima, Y.; *T-MTT v26 n2 Feb 78* 132-133 (1G02)
- East, Jack R.,** Hien Nguyen-ba, and George I. Haddad; Design, fabrication, and evaluation of BARITT devices for Doppler system applications; *T-MTT v24 n12 Dec 76* 943-948 (1D03)
- Easter, B.,** see Gopinath, A.; *T-MTT v22 n10 Oct 74* 880-883 (1C06)
- Easter, Brian;** The equivalent circuit of some microstrip discontinuities; *T-MTT v23 n8 Aug 75* 655-660 (1D11)
- Easter, Brian,** see Richings, J. G.; *T-MTT v23 n10 Oct 75* 826-828 (1D06)
- Easter, Brian,** see Akello, Robert J.; *T-MTT v25 n5 May 77* 367-372 (1B13)
- Easter, Brian,** see Gupta, Chandra; *T-MTT v26 n9 Sep 78* 649-652 (1B09)
- Eastman, Lester F.,** see Shur, Michael S.; *T-MTT v26 n12 Dec 78* 1023-1028 (2A07)
- Eaton, James E.:** Minimal positive polynomials; *T-MTT v8 n2 Mar 60* 171
- Eaves, R. E., Jr.,** and D. M. Bolle; Guided waves in a class of stripline and other parallel-plate structures (Corresp.); *T-MTT v18 n1 Jan 70* 66-68
- Eaves, R. E., Jr.,** and D. M. Bolle; Guided waves in limit cases of microstrip (Corresp.); *T-MTT v18 n4 Apr 70* 231-232
- Eberhardt, Nikolai;** Propagation in the off center E-plane dielectrically loaded waveguide; *T-MTT v15 n5 May 67* 282-289
- Eberhardt, Nikolai,** Vincent V. Horvath, and R. H. Knerr; On plane and quasi-optical wave propagation in gyromagnetic media; *T-MTT v18 n9 Sep 70* 554-565
- Ebert, Roy L.,** see Chang, Kai; *T-MTT v28 n4 Apr 80* 295-305
- Ecker, H. Allen,** see Bassett, Harold L.; *T-MTT v19 n2 Feb 71* 197-205 (2C08)
- Ecker, H. Allen,** see Zimmer, Robert P.; *T-MTT v19 n2 Feb 71* 238-245 (3B07)
- Ecklund, W. L.:** A low input VSWR coaxial diode switch for the UHF band (Corresp.); *T-MTT v12 n3 May 64* 359
- Eden, Richard C.,** see Long, Stephen I.; *T-MTT v28 n5 May 80* 466-472
- Eden, William D.:** A technique to measure accurately antenna efficiency (Corresp.); *T-MTT v20 n1 Jan 72* 82-83 (2D05)
- Edrich, Jochen,** and Russell G. West; Low-loss cryogenic L-band circulator (Corresp.); *T-MTT v18 n10 Oct 70* 743-745
- Edrich, Jochen;** Parametric amplification of millimeter waves using wafer diodes: Results, potentials, and limitations (Corresp.); *T-MTT v18 n12 Dec 70* 1173-1175
- Edrich, Jochen;** A coolable degenerate parametric amplifier for millimeter waves (Ltr.); *T-MTT v22 n5 May 74* 581-583 (2C12)
- Edrich, Jochen,** and Patrick C. Hardee; Complex permittivity and penetration depth of muscle and fat tissues between 40 and 90 GHz (Ltr.); *T-MTT v24 n5 May 76* 273-275 (1C11)
- Edrich, Jochen;** A low-noise 47-GHz mixer using a permanent Josephson junction; *T-MTT v24 n11 Nov 76* 706-709 (1B12)
- Edrich, Jochen;** A cryogenically cooled two-channel paramp radiometer for 47 GHz; *T-MTT v25 n4 Apr 77* 280-285 (1C14)
- Edrich, Jochen,** D. B. Sullivan, and D. G. McDonald; Results, potentials, and limitations of Josephson-mixer receivers at millimeter and long submillimeter wavelengths; *T-MTT v25 n6 Jun 77* 476-479 (1B10)
- Edson, William A.,** and Joseph Wakabayashi; Input manifolds for microwave channelizing filters; *T-MTT v18 n5 May 70* 270-276
- Edwards, Terence C.,** see Owens, Roger P.; *T-MTT v24 n8 Aug 76* 499-505 (1A11)
- Edwards, Terence C.,** and Roger P. Owens; 2-18-GHz dispersion measurements on 10-100- microstrip lines on sapphire; *T-MTT v24 n8 Aug 76* 506-513 (1B04)
- Edwards, William J.:** Foreword; *T-MTT v16 n7 Jul 68* 383

- Edwards, William P., and Henry S. Ho; RF cavity irradiation dosimetry (Short p.); *T-MTT* v23 n3 Mar 75 311-313 (1D03)
- Egami, Shunichi; Swept frequency impedance indicator using directional couplers (Short p.); *T-MTT* v21 n10 Oct 73 647-648 (1F01)
- Egami, Shunichi; A design theory for wide-band parametric amplifiers; *T-MTT* v22 n2 Feb 74 119-125 (1C13)
- Egami, Shunichi; Nonlinear, linear analysis and computer-aided design of resistive mixers; *T-MTT* v22 n3 Mar 74 270-275 (2B08)
- Egami, Shunichi; In-line signal circuit for broad-band parametric amplifiers; *T-MTT* v23 n3 Mar 75 282-287 (1B02)
- Eggmann, W. H.; Higher-order evaluation of dipole moments of a small circular disk for a small circular disk for arbitrary incident fields (Corresp.); *T-MTT* v9 n1 Jan 61 98
- Eggmann, Wilhelm H.; Scattering of a plane wave on a ferrite cylinder at normal incidence; *T-MTT* v8 n4 Jul 60 440-445. Correction, Jan 61 22
- Eggmann, Wilhelm H.; Higher-order evaluation of dipole moments of a small circular disk (Corresp.); *T-MTT* v8 n5 Sep 60 573
- Eggmann, Wilhelm H., see Collin, Robert E.; *T-MTT* v9 n2 Mar 61 110-115
- Eggmann, Wilhelm H.; Higher-order evaluation of electromagnetic diffraction by circular disks; *T-MTT* v9 n5 Sep 61 408-418. Correction, Nov 62 610
- Eggmann, Wilhelm H., and Robert E. Collin; Electromagnetic diffraction by a planar array of circular disks; *T-MTT* v10 n6 Nov 62 528-535
- Eikenberg, A. F., see Buchler, G. V.; *T-MTT* v9 n6 Nov 61 569-570
- Eikenberg, Andrew F., see Cohn, Marvin; *T-MTT* v10 n6 Nov 62 536-548
- Eikenberg, Andrew F., see Cohn, Marvin; *T-MTT* v13 n1 Jan 65 47-54
- Einarsson, Olov; Minimax optimization by algorithms employing modified Lagrangians (Short p.); *T-MTT* v23 n10 Oct 75 838-841 (1E04)
- Eisenhart, Robert L., and Peter J. Khan; Theoretical and experimental analysis of a waveguide mounting structure; *T-MTT* v19 n8 Aug 71 706-719 (1D12)
- Eisenhart, Robert L.; Discussion of a 2-gap waveguide mount (Short p.); *T-MTT* v24 n12 Dec 76 987-990 (2B02)
- Eisenhart, Robert L., P. T. Greiling, Larry K. Roberts, and Ralston S. Robertson; A useful equivalence for a coaxial-waveguide junction; *T-MTT* v26 n3 Mar 78 172-174 (1C10)
- Eisenstein, Gad, see Champlin, Keith S.; *T-MTT* v26 n1 Jan 78 31-34 (1C05)
- Ekholdt, Roald, see Daly, Daniel A.; *T-MTT* v15 n12 Dec 67 713-721
- Ekinge, Roland, and Thomas Hedström; A new variable microwave attenuator (Corresp.); *T-MTT* v18 n9 Sep 70 661-662
- Ekinge, Roland B.; Hybrid T synthesis; *T-MTT* v18 n11 Nov 70 1006-1007
- Ekinge, Roland B.; A new method of synthesizing matched broad-band TEM-mode three-ports; *T-MTT* v19 n1 Jan 71 81-88 (2D01)
- Ekinge, Roland B.; On the design of impedance-transforming directional couplers (Corresp.); *T-MTT* v19 n4 Apr 71 415-416 (2C11)
- Elachi, C., G. Evans, and C. Yeh; Fiber and diffused waveguide structures for distributed-feedback lasers (Short p.); *T-MTT* v23 n6 Jun 75 532-536 (1F04)
- Elachi, Charles; Distributed feedback acoustic surface wave oscillator (Ltr.); *T-MTT* v22 n10 Oct 74 907-908 (1E05)
- El-Behery, I. N., see Chow, Y. L.; *T-MTT* v26 n12 Dec 78 978-983 (1D14)
- El-Deeb, Nabil A., see Collier, Richard J.; *T-MTT* v27 n10 Oct 79 847-853 (1B11)
- El-Dinary, Said M., see El-Shandwily, M. Ezzat; *T-MTT* v20 n2 Feb 72 132-137 (1E10)
- Eldumiaty, Ismail I., and George I. Haddad; Cavity perturbation techniques for measurement of the microwave conductivity and dielectric constant of a bulk semiconductor material; *T-MTT* v20 n2 Feb 72 126-132 (1E04)
- Eliasson, Baldur, see Affolter, Peter; *T-MTT* v21 n9 Sep 73 573-578 (1B03)
- Elle, Donald R., Daniel J. Fehring, Richard J. Vetter, and Paul L. Zierner; Microwave effects on thermoluminescence and thermally stimulated exoelectron emission (Short p.); *T-MTT* v22 n12 Dec 73 836-837 (3B04)
- Ellerbruch, Doyle A.; Analysis of a differential phase shifter; *T-MTT* v12 n4 Jul 64 453-459
- Ellerbruch, Doyle A., see Little, William E.; *T-MTT* v15 n9 Sep 67 504-507
- Elliott, Brian J., Tor Schaap-Petersen, and Herbert J. Shaw; Pulsed millimeter-wave generation using ferrites; *T-MTT* v9 n1 Jan 61 92-94
- Elliott, C. T., see Baynham, A. C.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Elliott, Robert S.; Pulse waveform degradation due to dispersion in waveguide; *T-MTT* v5 n4 Oct 57 254-258
Comments, *T-MTT* v11 n5 Sep 63 445-447
Comments, *T-MTT* v18 n9 Sep 70 663
- Elliott, Robert S., see Kopp, Eugene H.; *T-MTT* v16 n1 Jan 68 6-11
- Elliott, Robert S.; Two-mode waveguide for equal mode velocities; *T-MTT* v16 n5 May 68 282-286
- Elmoazzen, Y. E., and Lotfallah Shafai; Mutual coupling between parallel-plane waveguides; *T-MTT* v21 n12 Dec 73 825-833. Correction, Aug 74 816 (2D11)
- Elmoazzen, Y. E., and Lotfallah Shafai; Numerical solution of coupling between two collinear parallel-plane waveguides; *T-MTT* v23 n11 Nov 75 871-876 (1B07)
- El-Sayed, Osman L.; Impedance characterization of a two-post mounting structure for varactor-tuned Gunn device oscillators; *T-MTT* v22 n8 Aug 74 769-776 (1B01)
- El-Sayed, Osman L.; Generalized analysis of parallel two-post mounting structures in waveguide; *T-MTT* v25 n1 Jan 77 24-33 (1B12)
- Else, R. K., and A. J. Sievers; A tunable Josephson junction far infrared source (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1117 (2C14)
- El-Shandwily, M. E., and Esmat A. F. Abdallah; Finite-gap stripline-latching circulator (Short p.); *T-MTT* v22 n1 Jan 74 57-60 (1E03)
- El-Shandwily, M. Ezzat, and Said M. El-Dinary; Traveling-wave coherent light-phase modulator; *T-MTT* v20 n2 Feb 72 132-137 (1E10)
- El-Shandwily, M. Ezzat, Ahmad A. Kamal, and Esmat A. F. Abdallah; General field theory treatment of H-plane waveguide junction circulators; *T-MTT* v21 n6 Jun 73 392-403 (1D02)
- El-Shandwily, M. Ezzat, Ahmad A. Kamal, and Esmat A. F. Abdallah; General field theory treatment of E-plane waveguide junction circulators—Part I: Full-height ferrite configuration; *T-MTT* v25 n9 Sep 77 784-793 (1E12)
- El-Shandwily, M. Ezzat, Ahmad A. Kamal, and Esmat A. F. Abdallah; General field theory treatment of E-plane waveguide junction circulators—Part II: Two-disk ferrite configuration; *T-MTT* v25 n9 Sep 77 794-803 (1F08)
- El-Sherbiny, Abdel-Moniem A.; Cutoff wavelengths of ridged, circular, and elliptic guides; *T-MTT* v21 n1 Jan 73 7-12 (1B09)
- Elta, Michael E., and George I. Haddad; High-frequency limitations of IMPATT, MITATT, and TUNNETT mode devices; *T-MTT* v27 n5 May 79 442-449 (1F10)
- Emery, Ashley F., see Guy, Arthur W.; *T-MTT* v23 n6 Jun 75 492-498 (1C06)
- Emery, F. E., and M. O'Hagan; Optimal design of matching networks for microwave transistor amplifiers (Corresp.); *T-MTT* v14 n12 Dec 66 696-698
- Emery, F. E., and P. L. Noel; Recent experimental work on silicon microstrip microwave transmission lines (Corresp.); *T-MTT* v16 n7 Jul 68 483-484
- Emery, R. J., see Gebbie, H. A.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Emmons, Stephen P., see Battershall, Barry W.; *T-MTT* v16 n7 Jul 68 445-450
- Entage, P. R., and Steven N. Stitzer; Interaction of signals in ferromagnetic microwave limiters; *T-MTT* v25 n3 Mar 77 210-213 (1D02)
- Endersz, György G.; Linearity improvement of microwave FM oscillators by harmonic tuning; *T-MTT* v23 n4 Apr 75 360-367 (1C10)
- Engen, Terry A., and M. M. Z. Kharadly; Transverse discontinuities in nonreciprocal waveguides; *T-MTT* v28 n6 Jun 80 609-615
- Engen, Terry A., and M. M. Z. Kharadly; An investigation of nonreciprocal periodic structures; *T-MTT* v28 n8 Aug 80 905-914
- Eng, Sverre T.; Characterization of microwave variable capacitance diodes; *T-MTT* v9 n1 Jan 61 11-22
- Eng, Sverre T.; Low-noise properties of microwave backward diodes; *T-MTT* v9 n5 Sep 61 419-425
- Engelmann, H. F.; Microstrip—A new microwave transmission technique (Abstr.); *T-MTT* v1 n1 Mar 53 22
- Engelmann, H. F.; Foreword to special issue; *T-MTT* v3 n6 Dec 55 1
- Engelmann, Herbert F., Chmn.; Well done, Ted; *T-MTT* v5 n3 Jul 57 174
- Engelmann, R., see Pollmann, Horst; *T-MTT* v18 n11 Nov 70 817-827
- Engen, G. F.; A method of improving isolation in multi-channel waveguide systems (Corresp.); *T-MTT* v8 n4 Jul 60 460-461
- Engen, G. F.; International intercomparison of standards for microwave power measurement (Corresp.); *T-MTT* v13 n5 Sep 65 713-715
- Engen, Glenn F.; Amplitude stabilization of a microwave signal source; *T-MTT* v6 n2 Apr 58 202-206
- Engen, Glenn F., and Robert W. Beatty; Microwave reflectometer techniques; *T-MTT* v7 n3 Jul 59 351-355
- Engen, Glenn F., see Little, William E.; *T-MTT* v15 n9 Sep 67 504-507
- Engen, Glenn F.; A method of calibrating coaxial noise sources in terms of a waveguide standard; *T-MTT* v16 n9 Sep 68 636-639
- Engen, Glenn F., see Trembath, Charles L.; *T-MTT* v16 n9 Sep 68 709-714
- Engen, Glenn F., and Paul A. Hudson; International intercomparison of power standards at 3 GHz (Corresp.); *T-MTT* v19 n4 Apr 71 411-413 (2C07)
- Engen, Glenn F.; Calibration technique for automated network analyzers with application to adapter evaluation; *T-MTT* v22 n12 Dec 74 1255-1260 (4D12)
- Engen, Glenn F.; Automated calibration of directional-coupler-bolometer-mount assemblies; *T-MTT* v23 n12 Dec 75 984-990 (1D04)
- Engen, Glenn F.; The six-port reflectometer: An alternative network analyzer; *T-MTT* v25 n12 Dec 77 1075-1080 (2B07)
- Engen, Glenn F.; An improved circuit for implementing the six-port technique of microwave measurements; *T-MTT* v25 n12 Dec 77 1080-1083 (2B12)
- Engen, Glenn F.; Calibrating the six-port reflectometer by means of sliding terminations; *T-MTT* v26 n12 Dec 78 951-957 (1C01)
- Engen, Glenn F., and Cletus A. Hoer; 'Thru-reflect-line': An improved technique for calibrating the dual six-port automatic network analyzer; *T-MTT* v27 n12 Dec 79 987-993 (1E07)
- Engen, Glenn F.; A least squares solution for use in the six-port measurement technique; *T-MTT* v28 n12 Dec 80 1473-1477
- Engineer, M. H., and B. R. Nag; Propagation of electromagnetic waves in rectangular guides filled with a semiconductor in the presence of a transverse magnetic field; *T-MTT* v13 n5 Sep 65 641-646
- England, E. H., see Ladbroke, P. H.; *T-MTT* v21 n8 Aug 73 560-562 (2C06)
- England, E. H., see Ladbroke, P. H.; *T-MTT* v21 n8 Aug 73 570-571
- England, E. H.; A coaxial to microstrip transition (Short p.); *T-MTT* v24 n1 Jan 76 47-48 (1D07)
- Engle, William, see Rossen, Selma; *T-MTT* v12 n1 Jan 64 142-143
- Englefield, C. G., see Walker, George B.; *T-MTT* v10 n1 Jan 62 30-33
- Englefield, Colin G., see Gupta, Ramesh K.; *T-MTT* v26 n1 Jan 78 28-30 (1C02)
- English, David L., see Kuno, H. J.; *T-MTT* v21 n11 Nov 73 703-706 (1F01)
- English, David L., see Chang, Yu-Wen; *T-MTT* v23 n6 Jun 75 470-477 (1A12)
- English, David L., see Kuno, H. J.; *T-MTT* v24 n11 Nov 76 744-751 (1E08)
- English, David L., see Fong, T. T.; *T-MTT* v24 n11 Nov 76 752-758 (1F02)
- English, David L., see Kuno, H. J.; *T-MTT* v24 n11 Nov 76 758-767 (1F08)
- English, William J.; Vector variational solutions of inhomogeneously loaded cylindrical waveguide structures; *T-MTT* v19 n1 Jan 71 9-18 (1B11)
- English, William J., and Frederick J. Young; An E vector variational formulation of the Maxwell equations for cylindrical waveguide problems; *T-MTT* v19 n1 Jan 71 40-46 (1E06)
- English, William J.; The circular waveguide step-discontinuity mode transducer (Short p.); *T-MTT* v21 n10 Oct 73 633-636 (1D11)
- Enstrom, R. E., see Norton, L. E.; *T-MTT* v16 n7 Jul 68 480-481
- Enstrom, Ronald E., see Reynolds, James F.; *T-MTT* v18 n11 Nov 70 827-834
- Entschladen, H.; Permeability tensor of magnetized ferrites from waveguide measurements (Computer program descr.); *T-MTT* v20 n7 Jul 72 490-491 (2C07)
- Epprecht, G., see Mahle, C.; *T-MTT* v14 n10 Oct 66 496-497
- Epprecht, G. W., see Liechti, C. A.; *T-MTT* v15 n10 Oct 67 586-589
- Epstein, Richard, Richard Germann, Jerome Sohn, and Donald Temme; Magnetostriction effects on ferrite material parameters of importance in remanence devices (Corresp.); *T-MTT* v16 n1 Jan 68 54-55
- Epsztajn, Bernard, see Bert, Alain G.; *T-MTT* v21 n4 Apr 73 255-263 (2E04)
- Eremenko, V. V., M. Naumenko, A. I. Zvyagin, V. I. Kut'ko, and A. I. Maslennikov; Low frequency excitations in antiferromagnetic tungstates (NiWO₄, CoWO₄); *T-MTT* v22 n12 Dec 74 1069-1072 (1G07)
- Erickson, Clifford W.; High order modes in a spherical Fabry-Perot resonator; *T-MTT* v23 n2 Feb 75 218-223 (1C08)
- Erickson, Clifford W.; Observation and application of high-order azimuthal modes in a Fabry-Perot resonator (Short p.); *T-MTT* v24 n10 Oct 76 673-674 (1D03)
- Erickson, Clifford W.; Perturbation theory generalized to arbitrary (p,l) modes in a Fabry-Perot resonator; *T-MTT* v25 n11 Nov 77 958 (2B01)
- Erickson, John E., see Wu, You-Sun; *T-MTT* v24 n2 Feb 76 69-77 (1A03)
- Erickson, N. R.; A directional filter diplexer using optical techniques for millimeter to submillimeter wavelengths (Tech. n.); *T-MTT* v25 n10 Oct 77 865-866 (1E05)
- Ernst, Robert L.; Multiple-idler parametric amplifiers; *T-MTT* v15 n1 Jan 67 9-22. Correction, Apr 67 259
- Ernst, William P.; A technique for measuring phase modulation or rapid phase changes of a microwave signal; *T-MTT* v13 n1 Jan 65 70-76

- Eshbach, John R., see Damon, Richard W.; *T-MTT* v8 n1 Jan 60 4-9
- Espagnol, Jacques, see Cachier, Gérard; *T-MTT* v27 n5 May 79 505-510 (2D04)
- Espersen, George A.; Noise studies on two-cavity CW klystrons; *T-MTT* v8 n5 Sep 60 474-477
- Estes, Marvin F., see Allen, James L.; *T-MTT* v20 n10 Oct 72 662-669. Correction, Sep 75 779 (1D06)
- Estin, Arthur J., and Howard E. Bussey; Errors in dielectric measurements due to a sample insertion hole in a cavity; *T-MTT* v8 n6 Nov 60 650-653
- Etique, P., see Müller, K.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Ethlicher, B., see Buzzi, J. M.; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- Ettenberg, M., see Bates, C.; *T-MTT* v16 n9 Sep 68 793-795
- Eugene, Christian E.; Metrological application of a stationarity property in rectangular cavities containing a dielectric slab (Short p.); *T-MTT* v21 n12 Dec 73 847-850 (3C02)
- Evans, G., see Elachi, C.; *T-MTT* v23 n6 Jun 75 532-536 (1F04)
- Evans, G. E., see Whicker, L. R.; *T-MTT* v15 n12 Dec 67 755-757
- Evans, W. J.; Circuits for high-efficiency avalanche-diode oscillators; *T-MTT* v17 n12 Dec 69 1060-1067
- Evans, W. J.; CW TRAPATT amplification (Corresp.); *T-MTT* v18 n11 Nov 70 986-988
- Evans, William J.; Computer experiments on TRAPATT diodes; *T-MTT* v18 n11 Nov 70 862-871
- Everett, G. E., see Alday, J. R.; *T-MTT* v14 n2 Feb 66 100
- Evtuhov, Viktor, and Amnon Yariv; GaAs and GaAlAs devices for integrated optics; *T-MTT* v23 n1 Jan 75 44-57 (1D04)
- Ewing, Samuel D., Jr., and Jerald A. Weiss; Ring circulator theory, design, and performance; *T-MTT* v15 n11 Nov 67 623-628
- F**
- Faber, Marek T., and Wojciech K. Gwarek; Nonlinear-linear analysis of microwave mixer with any number of diodes; *T-MTT* v28 n11 Nov 80 1174-1181
- Fairman, Robert D., see Hamilton, Robert J., Jr.; *T-MTT* v24 n11 Nov 76 775-780 (2A08)
- Fakuda, Osamu, see Kitayama, Kenichi; *T-MTT* v28 n6 Jun 80 604-608
- Falciai, Riccardo, see Checcacci, Pier Francesco; *T-MTT* v20 n9 Sep 72 608-613 (1E10)
- Falciai, Riccardo, see Checcacci, Pier Francesco; *T-MTT* v21 n5 May 73 361-362 (1F03)
- Falciai, Riccardo, see Checcacci, Pier Francesco; *T-MTT* v21 n5 May 73 362-363 (1F04)
- Falciai, Riccardo, see Checcacci, Pier Francesco; *T-MTT* v22 n5 May 74 576-578 (2C07)
- Falciai, Riccardo, see Checcacci, Pier Francesco; *T-MTT* v22 n7 Jul 74 751-752 (1D03)
- Falciasacca, G., C. G. Soneda, and F. Valdoni; Comments on 'Attenuation characteristics of hollow conducting elliptical waveguides' by Kretschmar, J. G.; *T-MTT* v21 n3 Mar 73 154
- Falciasacca, Gabriele, and Sergio Rogai; Random discrete imperfections in millimeter waveguide systems; *T-MTT* v25 n11 Nov 77 911-915 (1D05)
- Fank, F. Beringer, see Hamilton, Robert J., Jr.; *T-MTT* v24 n11 Nov 76 775-780 (2A08)
- Fantom, A. E.; Theory of unidirectionality and conjugate matching in three-port time-varying reactance circuits (Corresp.); *T-MTT* v15 n5 May 67 318-320
- Farber, Herman, Max Klinger, Max Sucher, and Eugene J. Malloy; A dc triggered high-speed high-power microwave spark gap switch; *T-MTT* v13 n1 Jan 65 28-32
- Farhat, Nabil H., and Peter C. Wang; Holographic imaging with object synthesized apertures; *T-MTT* v22 n5 May 74 531-535 (1D11)
- Faris, John J., see Richardson, John M.; *T-MTT* v5 n3 Jul 57 208-212
- Faris, John J., and John M. Richardson; Excess noise in microwave detector diodes; *T-MTT* v9 n4 Jul 61 312-314
- Farokhrooz, A., and J. B. Linker Jr.; A varactor frequency-modulated AFC reference cavity (Corresp.); *T-MTT* v11 n4 Jul 63 258-260
- Farrar, Andrew, and Arlon T. Adams; Characteristic impedance of microstrip by the method of moments (Corresp.); *T-MTT* v18 n1 Jan 70 65-66
- Farrar, Andrew, and A. T. Adams; Computation of lumped microstrip capacities by matrix methods—rectangular sections and end effect (Corresp.); *T-MTT* v19 n5 May 71 495-497. Correction, Apr 74 294 (2C09)
- Farrar, Andrew, and Arlon Taylor Adams; Matrix methods for microstrip three-dimensional problems; *T-MTT* v20 n8 Aug 72 497-504 (1B07)
- Farrar, Andrew, and Arlon Taylor Adams; A potential theory method for covered microstrip (Short p.); *T-MTT* v21 n7 Jul 73 494-496 (2C01)
- Farrar, Andrew, and A. T. Adams; Multilayer microstrip transmission lines (Short p.); *T-MTT* v22 n10 Oct 74 889-891 (1D01)
- Farrar, Andrew, and Arlon T. Adams; Computation of propagation constants for the fundamental and higher order modes in microstrip (Short p.); *T-MTT* v24 n7 Jul 76 456-460 (2A01)
- Farrayre, A., see Kramer, Bernard M.; *T-MTT* v24 n11 Nov 76 861-863 (3A09)
- Faure, J. C., see Buzzi, J. M.; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- Fay, Clifford E., see Comstock, R. Lawrence; *T-MTT* v8 n6 Nov 60 605-611
- Fay, Clifford E.; Ferrite switches in coaxial or strip transmission line; *T-MTT* v10 n6 Nov 62 455-458
- Fay, Clifford E., and R. Lawrence Comstock; Operation of the ferrite junction circulator; *T-MTT* v13 n1 Jan 65 15-27
- Fehring, Daniel J., see Elle, Donald R.; *T-MTT* v21 n12 Dec 73 836-837 (3B04)
- Fein, Michael E., Laverne A. Schlie, Joseph T. Verdeyen, and Blake E. Cherrington; A numerical method for calibrating microwave cavities for plasma diagnostics—Part I; *T-MTT* v20 n1 Jan 72 22-30 (1C12)
- Fein, Michael E., Laverne A. Schlie, Joseph T. Verdeyen, and Blake E. Cherrington; A numerical method for calibrating microwave cavities for plasma diagnostics—Part II (Comp. prog. descr.); *T-MTT* v20 n1 Jan 72 83 (2D06)
- Feld, M. S., see Keilman, F.; *T-MTT* v22 n12 Dec 74 1118 (1D01)
- Felden, Marceau, see Roussy, Georges; *T-MTT* v14 n4 Apr 66 171-175
- Feldman, E., see Munro, J.; *T-MTT* v12 n5 Sep 64 553
- Fellers, Rufus G., and John Taylor; Internal reflections in dielectric prisms; *T-MTT* v12 n6 Nov 64 584-587. Correction, Mar 65 258
- Felsen, L. B., Walter K. Kahn, and Lawrence Levey; Measurement of two-mode discontinuities in a multimode waveguide by a resonance technique; *T-MTT* v7 n1 Jan 59 102-110
- Felsen, Leopold B., see Yee, Hung Yuet; *T-MTT* v17 n2 Feb 69 73-85
- Felsen, Leopold B., see Yee, Hung Yuet; *T-MTT* v17 n9 Sep 69 671-683
- Felsen, Leopold B., see Maurer, Stewart J.; *T-MTT* v18 n9 Sep 70 584-595
- Felsen, Leopold B.; Rays, modes, and equivalent networks (Corresp.); *T-MTT* v19 n1 Jan 71 107-109 (2F03)
- Felsen, Leopold B., and Sang-Yung Shi; Rays, beams, and modes pertaining to the excitation of dielectric waveguides; *T-MTT* v23 n1 Jan 75 150-161 (2E03)
- Felsen, Leopold B., see Santana, Carlos; *T-MTT* v26 n2 Feb 78 101-108 (1D13)
- Felsen, Leopold B., see Shin, Sang-Yung; *T-MTT* v26 n11 Nov 78 845-851 (1A03)
- Felsen, Leopold B., see Arnold, J. M.; *T-MTT* v28 n9 Sep 80 996-999
- Fentress, G. H., see Nemoto, T.; *T-MTT* v17 n7 Jul 69 396-397
- Fentress, G. H., see Beatty, Robert W.; *T-MTT* v19 n3 Mar 71 337-338 (2C12)
- Fetterman, H. R., B. J. Clifton, P. E. Tannenwald, C. D. Parker, and Hays Penfield; Submillimeter heterodyne detection and harmonic mixing using Schottky diodes; *T-MTT* v22 n12 Dec 74 1013-1015 (1C07)
- Fetterman, H. R., and H. R. Schlossberg; Development and application of optically pumped submillimeter lasers (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1118 (1D01)
- Fetterman, H. R., see Murphy, R. A.; *T-MTT* v25 n6 Jun 77 494-495 (1C14)
- Feucht, D. L., see Holmes, D. A.; *T-MTT* v12 n1 Jan 64 144-145
- Feucht, D. L., see Holmes, D. A.; *T-MTT* v12 n4 Jul 64 478-480
- Fiedziuszko, Slawomir, and Andrzej Jelenski; The influence of conducting walls on resonant frequencies of the dielectric microwave resonator (Corresp.); *T-MTT* v19 n9 Sep 71 778-779 (1E04)
- Fiedziuszko, Slawomir, and Andrzej Jelenski; Double dielectric resonator (Corresp.); *T-MTT* v19 n9 Sep 71 779-781 (1E05)
- Field, J. C., see Herrick, D. L.; *T-MTT* v23 n10 Oct 75 849-850 (1F01)
- Fieweger, H. W., see Brand, H.; *T-MTT* v13 n5 Sep 65 712-713
- Fignier, J. P., see dos Santos, A. F.; *T-MTT* v23 n9 Sep 75 753-756 (1C07)
- Fikart, Josef L., Jan Nigrin, and Paul A. Goud; The accuracy of AM and FM noise measurements employing a carrier suppression filter and phase detector (Short p.); *T-MTT* v20 n10 Oct 72 702-703 (2C02)
- Fikart, Josef L.; AM and FM noise of BARITT oscillators; *T-MTT* v22 n5 May 74 517-523 (1C11)
- Fikioris, John G., and John A. Roumeliotis; Cutoff wavenumbers of Goubau lines; *T-MTT* v27 n6 Jun 79 570-573 (1B02)
- Fildes, Roger D., and Bill J. Hunsinger; Time domain analysis of SAW reflectors; *T-MTT* v27 n2 Feb 79 194-198 (2A07)
- Filensky, W., see Beneking, H.; *T-MTT* v24 n6 Jun 76 385-386 (2B05)
- Filicori, Fabio, Vito Antonio Monaco, and Carlo Naldi; Simulation and design of microwave class-C amplifiers through harmonic analysis; *T-MTT* v27 n12 Dec 79 1043-1051 (2B08)
- Filipsson, K. Gunnar, see Hansson, E. R. Bertil; *T-MTT* v27 n4 Apr 79 322-328 (1C04)
- Findakly, Talal K., and Haim M. Haskal; On the design of dielectric loaded waveguides; *T-MTT* v24 n1 Jan 76 39-43 (1C13)
- Comments by Gardiol, F. E., Jul 77 624-625
- Finnila, Charles A., Lester A. Roberts, and Charles Süsskind; Measurement of relative phase shift at microwave frequencies; *T-MTT* v8 n2 Mar 60 143-147
- Fisher, R. E.; Broadbanding microwave diode switches (Corresp.); *T-MTT* v13 n5 Sep 65 706
- Fisher, R. E.; Broad-band twisted-wire quadrature hybrids (Short p.); *T-MTT* v21 n5 May 73 355-357 (1E09)
- Fisher, Reed E.; A 1200-megabit per second microwave-carrier Gray-code analog-to-digital converter; *T-MTT* v16 n8 Aug 68 541-547
- Fisher, Reed E., Guest ed.; Foreword to special issue on microwave communications; *T-MTT* v23 n4 Apr 75 325 (1A03)
- Fitzgerald, B., see Taub, J. J.; *T-MTT* v12 n2 Mar 64 260-261
- Fitzgerald, D. J., and J. M. Proud; Anomalies in duplexing very short pulses (Ltr.); *T-MTT* v22 n4 Apr 74 471-473 (2E05)
- Fjällbrant, Tore T.; Non-minimum-phase microwave filters; *T-MTT* v16 n12 Dec 68 990-994
- Fjerstad, Roger L.; A compact, wide-tuning range, dual TE₁₁₁ mode preselector; *T-MTT* v14 n9 Sep 66 424-427
- Fjerstad, Roger L.; Some design considerations and realizations of iris-coupled YIG-tuned filters in the 12-40 GHz region; *T-MTT* v18 n4 Apr 70 205-212
- Flammer, C., see Carter, P. S., Jr.; *T-MTT* v8 n5 Sep 60 570
- Fleming, J. W.; High-resolution submillimeter-wave Fourier-transform spectrometry of gases; *T-MTT* v22 n12 Dec 74 1023-1025 (1D03)
- Fleming, Paul L., T. Smith, H. E. Carlson, and William A. Cox; GaAs SAMP device for Ku-band switching; *T-MTT* v27 n12 Dec 79 1032-1035 (2A11)
- Fleming, R., see Piestrup, M.; *T-MTT* v22 n12 Dec 74 1117 (1C14)
- Fleri, Dominic, and Bobby J. Duncan; Reciprocal ferrite devices in TEM mode transmission lines; *T-MTT* v6 n1 Jan 58 91-96
- Fleri, Dominic, and Gerard Hanley; Nonreciprocity in dielectric loaded TEM mode transmission lines; *T-MTT* v7 n1 Jan 59 23-27
- Fleri, Dominic A., and Leonard D. Cohen; Nonlinear analysis of the Schottky-barrier mixer diode; *T-MTT* v21 n1 Jan 73 39-43 (1E09)
- Fletcher, Lee B., see Kotzebue, Kenneth L.; *T-MTT* v13 n6 Nov 65 773-776
- Flegler, Emanuel; A 350-MHz broad-band lumped element circulator as a protective isolator (Corresp.); *T-MTT* v17 n5 May 69 275-277
- Flegler, Emanuel; Operating criteria for active microwave inductors (Corresp.); *T-MTT* v19 n1 Jan 71 89-91 (2D09)
- Fliflet, Arne W., see Barnett, Larry R.; *T-MTT* v28 n12 Dec 80 1477-1481
- Fliflet, Arne W., Larry R. Barnett, and J. Mark Baird; Mode coupling and power transfer in a coaxial sector waveguide with a sector angle taper; *T-MTT* v28 n12 Dec 80 1482-1486
- Flyagin, V. A., A. V. Gaponov, M. I. Petelin, and V. K. Yulpatov; The gyrotron; *T-MTT* v25 n6 Jun 77 514-521 (1E06)
- Foldes, Peter, and Nicholas Gothard; Synthesis of low-reflection waveguide joint systems; *T-MTT* v9 n2 Mar 61 169-175
- Foldes, Peter, and T. Bruce Thomson; A waveguide quadruplexer system; *T-MTT* v9 n4 Jul 61 297-306
- Fong, T. T., and Shung-Wu Lee; Modal analysis of a planar dielectric strip waveguide for millimeter-wave integrated circuits; *T-MTT* v22 n8 Aug 74 776-783 (1B08)
- Fong, T. T., Kenneth P. Weller, and David L. English; Circuit characterization of V-band IMPATT oscillators and amplifiers; *T-MTT* v24 n11 Nov 76 752-758 (1F02)

- Fong, T. T., and H. J. Kuno: Millimeter-wave pulsed IMPATT sources; *T-MTT* v27 n5 May 79 492-499 (2C05)
- Fontana, Jorge R.: Modes in coupled optical resonators with active media; *T-MTT* v12 n4 Jul 64 400-405
- Fonti, S., see Corsi, S.; *T-MTT* v22 n12 Dec 74 1036-1041 (1E02)
- Fonti, S., see Dall'Oglio, G.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Fooks, E. H., see French, G. N.; *T-MTT* v16 n10 Oct 68 885-886
- Fooks, E. H., see French, G. N.; *T-MTT* v17 n9 Sep 69 719
- Foot, William J., see Trembath, Charles L.; *T-MTT* v16 n9 Sep 68 709-714
- Forrer, Max P., and E. T. Jaynes: Resonant modes in waveguide windows; *T-MTT* v8 n2 Mar 60 147-150
- Forrest, John R., see Al-Ani, A. Hag; *T-MTT* v22 n6 Jun 74 698-703 (2B10)
- Forrest, Neil H., see Lynes, Guy D.; *T-MTT* v22 n6 Jun 74 693-697 (2B05)
- Forterre, Gérard E., see Courtois, Louis; *T-MTT* v24 n3 Mar 76 129-135 (1A03)
- Forterre, Gérard E., see Fournet-Fayas, Cristian; *T-MTT* v26 n5 May 78 360-363 (1C14)
- Foster, Mark R., see Ho, Henry S.; *T-MTT* v23 n12 Dec 75 1058-1061 (2B09)
- Foulds, Kenneth W. H., see Lidgley, F. John; *T-MTT* v21 n11 Nov 73 736-738 (2D06)
- Fournet-Fayas, Cristian, Alain C. Priou, and Gérard E. Forterre: A 50-kW CW ferrite circulator in S band; *T-MTT* v26 n5 May 78 360-363 (1C14)
- Fox, A. G.: Performance of ferrites in the microwave range (Abstr.); *T-MTT* v1 n1 Mar 53 22
- Fox, A. G.: Wave coupling by warped normal modes; *T-MTT* v3 n6 Dec 55 2-6
- Fox, A. G.: The communications frontier between classical and quantum physics; *T-MTT* v7 n4 Oct 59 400-401
- Fox, George W.: Microwave and VHF radio installation for the Union Electric system; *T-MTT* v2 n1 Apr 54 63-83
- Fraiture, L., and J. Neirynck: Optimum elliptic-function filters for distributed constant systems (Corresp.); *T-MTT* v15 n8 Aug 67 482-483
- Franceschetti, Giorgio, see de Santis, Pietro; *T-MTT* v20 n3 Mar 72 237-238 (1E03)
- Franco, Albert G., and Arthur A. Oliner: Symmetric strip transmission line tee junction; *T-MTT* v10 n2 Mar 62 118-124
- Franco, Albert G., see Bland, G. F.; *T-MTT* v10 n6 Nov 62 492-496
- Frank, Richard L., see Decker, David R.; *T-MTT* v18 n11 Nov 70 872-876
- Frankel, Sidney, see Cristol, Edward G.; *T-MTT* v20 n11 Nov 72 719-728 (1B07)
- Franklin, R. N., see Bryant, G. H.; *T-MTT* v12 n4 Jul 64 469-470
- Franklin, Sidney B.: Solution of the finite length septum problem with application to periodic mode suppressors; *T-MTT* v15 n4 Apr 67 240-249
- Franz, Michael, and James B. Beyer: The traveling-wave IMPATT mode; *T-MTT* v26 n11 Nov 78 861-865 (1B05)
- Franz, Michael, and James B. Beyer: The traveling wave IMPATT mode: Part II—The effective wave impedance and equivalent transmission line; *T-MTT* v28 n3 Mar 80 215-218
- Fray, Claude, see Garault, Yves; *T-MTT* v22 n2 Feb 74 92-99 (1A14)
- Fray, Claude, and Albert Papiernik: The open-ring line: A low-loss surface waveguide; *T-MTT* v26 n11 Nov 78 886-892 (1D02)
- Fray, Claude, and Albert Papiernik: Electromagnetic properties of shielded ring lines and attenuation of the fundamental dipolar mode; *T-MTT* v27 n4 Apr 79 334-340 (1D02)
- Fray, Stanley J., see Taylor, Brian C.; *T-MTT* v18 n11 Nov 70 799-807
- Freeman, R. H., see Karbowiak, A. E.; *T-MTT* v21 n5 May 73 357-358 (1E11)
- Freeman, R. H., see Karbowiak, A. E.; *T-MTT* v23 n5 May 75 453-454
- Freehey, F. E., see Thompson, M. C., Jr.; *T-MTT* v7 n3 Jul 59 388-389
- Freiberg, L.: Coaxial isolator utilizing yttrium-iron garnet (Corresp.); *T-MTT* v6 n4 Oct 58 454
- Freiberg, L.: Lightweight Y-junction strip-line circulator (Corresp.); *T-MTT* v8 n6 Nov 60 672
- Freiberg, L.: Pulse-operated circulator switch (Corresp.); *T-MTT* v9 n3 May 61 266
- Freiberg, Elmer: Half-height waveguide Y and T circulators (Corresp.); *T-MTT* v17 n9 Sep 69 729-730
- Freibergs, Elmer, see Klohn, Kenneth L.; *T-MTT* v26 n10 Oct 78 764-773 (1E06)
- Freibergs, Elmer, see Horn, Robert E.; *T-MTT* v28 n6 Jun 80 647-653
- Freire, Gabriel F.: Analogy between a modulated electron beam in a plasma and transmission lines (Corresp.); *T-MTT* v12 n3 May 64 360-361
- French, G. N., and E. H. Fooks: The design of stepped transmission-line transformers (Corresp.); *T-MTT* v16 n10 Oct 68 885-886
- French, G. N., and E. H. Fooks: Double section matching transformers (Corresp.); *T-MTT* v17 n9 Sep 69 719
- Freinkel, L., and T. Sullivan: Frequency measurements in the far infrared: Limitations imposed by the noise spectrum in harmonic mixing (Corresp.); *T-MTT* v17 n5 May 69 281-282
- Frey, Allan H.: Biological function as influenced by low-power modulated RF energy; *T-MTT* v19 n2 Feb 71 153-164 (1D05)
- Frey, W., see Pollmann, Horst; *T-MTT* v18 n11 Nov 70 817-827
- Freyheit, P. J., and C. D. Lustig: Determination of equivalent network parameters for a lossless two-port junction (Corresp.); *T-MTT* v14 n2 Feb 66 93
- Friedman, David S.: Optimum bandwidth for waveguide-to-coaxial transducers (Corresp.); *T-MTT* v5 n1 Jan 57 75
- Friedman, Menahem, see McDonald, Bruce H.; *T-MTT* v22 n3 Mar 74 237-248. Correction, Feb 75 265-266 (1G03)
- Frignes, I.: Design of a class of parallel-coupled quasi-stripline filters by conformal mapping (Corresp.); *T-MTT* v18 n3 Mar 70 170-171
- Froelich, Heinrich R., and Eric Brannen: A racetrack microtron for millimeter and submillimeter wave generation; *T-MTT* v11 n5 Sep 63 288-291
- Fröhlich, H.: Coherent electric vibrations in biological systems and the cancer problem; *T-MTT* v26 n8 Aug 78 613-617 (2A01)
- Fromm, Winfield E.: Characteristics and some applications of stripline components; *T-MTT* v3 n2 Mar 55 13-20
- Frost, Albert D., and Charles R. Mingsins: Microwave strip circuit research at Tufts College; *T-MTT* v3 n2 Mar 55 10-12
- Frost, Albert D., Charles R. McGeoch Jr., and Charles R. Mingsins: The excitation of surface waveguides and radiating slots by strip-circuit transmission lines; *T-MTT* v4 n4 Oct 56 218-222
- Fubini, Eugene G.: Stripline radiators; *T-MTT* v3 n2 Mar 55 149-156
- Fubini, Eugene G.: A plea for simplification (Edtl.); *T-MTT* v6 n4 Oct 58 340-342
- Fujiki, Shigeo, see Suzuki, Michio; *T-MTT* v18 n7 Jul 70 338-347
- Fujiki, Y., see Kitazawa, T.; *T-MTT* v21 n9 Sep 73 580-582 (1B10)
- Fujimoto, Kyohel: On the correlation radiometer technique; *T-MTT* v12 n2 Mar 64 203-212
- Fujioaka, H., K. Yoshida, and N. Kumagai: Transmission-line treatment of waveguides filled with a moving medium (Corresp.); *T-MTT* v15 n4 Apr 67 265-267
- Fujisawa, Kazuo: General treatment of klystron resonant cavities; *T-MTT* v6 n4 Oct 58 344-358
- Fujisawa, Kazuo, see Hashimoto, Masahiro; *T-MTT* v18 n7 Jul 70 352-359
- Fujisawa, Kazuo, see Hashimoto, Masahiro; *T-MTT* v19 n5 May 71 458-474 (1E02)
- Fukai, Ichiro, and Michio Suzuki: On radial transmission line representations of electromagnetic fields in an anisotropic moving medium (Corresp.); *T-MTT* v19 n11 Nov 71 882-883 (1E06)
- Fukai, Ichiro, see Sasaki, Masaki; *T-MTT* v24 n2 Feb 76 119-121 (1D11)
- Fukasawa, Atsushi, see Hata, Masayasu; *T-MTT* v28 n9 Sep 80 951-962
- Fukuda, T., see Takahashi, S.; *T-MTT* v18 n12 Dec 70 1176-1178
- Fukui, Hatsuaki: Design of microwave GaAs MESFET's for broad-band low-noise amplifiers; *T-MTT* v27 n7 Jul 79 643-650 (1B03)
- Fukui, Kiyoshi, and Shigeji Nogi: Power combining ladder network with many active devices; *T-MTT* v28 n10 Oct 80 1059-1067
- Fukukawa, Yukio, see Hirachi, Yasutake; *T-MTT* v24 n11 Nov 76 731-737 (1D09)
- Fukumitsu, Ooto, see Tanaka, Kazumasa; *T-MTT* v20 n11 Nov 72 749-755 (1E01)
- Fukumitsu, Ooto, see Tanaka, Kazumasa; *T-MTT* v22 n2 Feb 74 81-86 (1A03)
- Fukumitsu, Ooto, see Tanaka, Kazumasa; *T-MTT* v23 n7 Jul 75 595-598 (1E01)
- Fukuoka, Jun-ichi, see Sasaki, Masaki; *T-MTT* v24 n2 Feb 76 119-121 (1D11)
- Fukuta, Masumi, Katsuhiko Suyama, Hidetake Suzuki, Yoshiro Nakayama, and Hajime Ishikawa: Power GaAs MESFET with a high drain-source breakdown voltage; *T-MTT* v24 n6 Jun 76 312-317 (1C10)
- Fukuta, Masumi, see Yokoyama, Naoki; *T-MTT* v28 n5 May 80 483-486
- Fuller, J. A., and N. F. Auden: The point-matching solution of uniform nonsymmetric waveguides (Corresp.); *T-MTT* v17 n2 Feb 69 114-115
- Furukawa, Miekio, see Hasegawa, Hideki; *T-MTT* v19 n11 Nov 71 869-881 (1D05)
- Furusaka, Takashi, see Ogawa, Masaki; *T-MTT* v24 n6 Jun 76 300-305 (1B12)
- Furuya, Kazuhito, see Sumatsu, Yasuharu; *T-MTT* v20 n8 Aug 72 524-531 (1D10)
- Furuya, Kazuhito, see Sumatsu, Yasuharu; *T-MTT* v23 n1 Jan 75 170-175 (2F09)

G

- Gabriel, G. J., and M. E. Brodwin: Distinctions between gyroelectric and gyromagnetic media in rectangular waveguide (Corresp.); *T-MTT* v14 n6 Jun 66 292-293
- Gabriel, Garabet J., and Morris E. Brodwin: The solution of guided waves in inhomogeneous anisotropic media by perturbation and variational methods; *T-MTT* v13 n3 May 65 364-370
- Gabriel, Garabet J., and Morris E. Brodwin: Perturbation analysis of rectangular waveguide containing transversely magnetized semiconductor; *T-MTT* v14 n6 Jun 66 258-264
- Gabriel, William F.: An automatic microwave dielectrometer (Corresp.); *T-MTT* v7 n4 Oct 59 481
- Gabriel, William F.: Tunnel-diode low-level detection; *T-MTT* v15 n10 Oct 67 538-553
- Gagné, Réal R. J.: The paradoxical surface wave (crack wave) in ferrite-filled waveguides; *T-MTT* v16 n4 Apr 68 241-250
- Gagné, Réal R. J., see Bui, Van Re; *T-MTT* v20 n6 Jun 72 421-422 (2C08)
- Gagné, Réal R. J., see Bui, Van Re; *T-MTT* v20 n9 Sep 72 621-623 (2B08)
- Gale, Daniel J., and John C. Beal: Comparative testing of leaky coaxial cables for communications and guided radar; *T-MTT* v28 n9 Sep 80 1006-1013
- Galejs, Janis: Multidiode switches (Corresp.); *T-MTT* v28 n5 Sep 80 566-569
- Galindo, V., see Amity, N.; *T-MTT* v16 n4 Apr 68 265-266
- Gallagher, J. J., see McMillan, R. W.; *T-MTT* v25 n6 Jun 77 484-488 (1C04)
- Gallagher, William J.: Solution of the Fourier error flow equation in waveguides filled with lossy dielectrics (Corresp.); *T-MTT* v11 n6 Nov 63 552-553
- Gallawa, Robert L.: Propagation on a cylindrical surface wave structure having radially nonuniform dielectric; *T-MTT* v18 n8 Aug 70 432-436
- Galloway, W. D., see Cunitz, R. J.; *T-MTT* v23 n3 Mar 75 313-316 (1D05)
- Galore, B., see Kopeika, N. S.; *T-MTT* v23 n10 Oct 75 843-845 (1E09)
- Gamble, T. J., see Duxbury, G.; *T-MTT* v22 n12 Dec 74 1108-1109 (2C05)
- Ganchev, S. I., see Ivanov, K. P.; *T-MTT* v19 n9 Sep 71 784-786 (1E10)
- Gandhi, O. P., see Sidhu, G. S.; *T-MTT* v13 n3 May 65 388-389
- Gandhi, O. P., see Sisodia, M. L.; *T-MTT* v15 n4 Apr 67 271-272
- Gandhi, O. P.: Conditions of strongest electromagnetic power deposition in man and animals; *T-MTT* v23 n12 Dec 75 1021-1029
- Gandhi, O. P., see Lenox, Robert H.; *T-MTT* v24 n1 Jan 76 58-61 (1E04)
- Gandhi, Om P., see Sharp, Joseph C.; *T-MTT* v22 n5 May 74 583-584 (2C14)
- Gandhi, Om P., see Hagmann, Mark J.; *T-MTT* v25 n10 Oct 77 831-832 (1B13)
- Gandhi, Om P., see Hagmann, Mark J.; *T-MTT* v26 n11 Nov 78 904-908 (1E06)
- Gandhi, Om P., see Meyerhoff, James L.; *T-MTT* v27 n3 Mar 79 267-270 (1D11)
- Gandhi, Om P., see Hagmann, Mark J.; *T-MTT* v27 n9 Sep 79 804-809 (1C10)
- Gandhi, Om P., see Hagmann, Mark J.; *T-MTT* v27 n9 Sep 79 809-813 (1D01)
- Gandhi, Om P., see Chatterjee, Indira; *T-MTT* v28 n12 Dec 80 1452-1459
- Gandolfo, David A., see Grasse, Charles L.; *T-MTT* v19 n6 Jun 71 558-559 (2B12)
- Ganguly, Achintya K., and Denis C. Webb: Microstrip excitation of magnetostatic surface waves: Theory and experiment; *T-MTT* v23 n12 Dec 75 998-1006 (1E04)
- Ganguly, Achintya K., and Barry E. Spielman: Dispersion characteristics for arbitrarily configured transmission media (Short p.); *T-MTT* v25 n12 Dec 77 1138-1141 (2F14)
- Ganguly, Achintya K., Denis C. Webb, and Crawford Banks: Complex radiation impedance of microstrip-excited magnetostatic-surface waves; *T-MTT* v26 n6 Jun 78 444-447 (1E10)
- Ganguly, Achintya K., see Chu, Kwo Ray; *T-MTT* v28 n4 Apr 80 318-325
- Gans, Michael J.: A general proof of Floquet's theorem (Corresp.); *T-MTT* v13 n3 May 65 384-385
- Gaponov, A. V., see Flyagin, V. A.; *T-MTT* v25 n6 Jun 77 514-521 (1E06)
- Garault, Yves, and Claude Fray: Electromagnetic-wave propagation in the shielded ring line; *T-MTT* v22 n2 Feb 74 92-99 (1A14)
- Garault, Yves, see Gauthier, Francis; *T-MTT* v25 n11 Nov 77 904-907 (1C12)
- Garault, Yves, see Guillon, P.; *T-MTT* v25 n11 Nov 77 916-922. Correction, Apr 80 434 (1D10)
- Garber, W. A., see McColl, Malcolm; *T-MTT* v25 n6 Jun 77 463-467 (1A11)
- Garcia, James A.: A wide-band quadrature hybrid coupler (Corresp.); *T-MTT* v19 n7 Jul 71 660-661 (2E03)
- Gardiner, John Graham, and Samir Ibrahim Ghoibial: Distortion performance of the abrupt-junction current-pumped varactor frequency converter; *T-MTT* v19 n9 Sep 71 741-749. Correction, Apr 72 293 (1B03)
- Gardioli, Fred E.: Higher-order modes in dielectrically loaded rectangular waveguides; *T-MTT* v16 n11 Nov 68 919-924

- Gardioli, Fred E., and André S. Vander Vorst; Wave propagation in a rectangular waveguide loaded with an H -plane dielectric slab (Corresp.); *T-MTT* v17 n1 Jan 69 56-57
- Gardioli, Fred E.; Power combiner nomograms (Corresp.); *T-MTT* v18 n1 Jan 70 71-72
- Gardioli, Fred E.; Anisotropic slabs in rectangular waveguides; *T-MTT* v18 n8 Aug 70 461-467
- Gardioli, Fred E.; Comments on 'Transmission characteristics of a reentrant hybrid tee'; *T-MTT* v18 n9 Sep 70 656
- Gardioli, Fred E., and André S. Vander Vorst; Computer analysis of E -plane resonance isolators; *T-MTT* v19 n3 Mar 71 315-322 (2B01)
- Gardioli, Fred E., see Decreton, Marc; *T-MTT* v19 n3 Mar 71 322-331 (2B08)
- Gardioli, Fred E.; On high-power circulators with mismatched terminations (Corresp.); *T-MTT* v19 n6 Jun 71 561-562 (2C03)
- Gardioli, Fred E.; Computer analysis of latching phase shifters in rectangular waveguide (Short p.); *T-MTT* v21 n1 Jan 73 57-61 (2B10)
- Gardioli, Fred E., and Olivier Parriaux; Excess losses in H -plane loaded waveguides; *T-MTT* v21 n7 Jul 73 457-461 (1C11)
- Gardioli, Fred E.; Circularly polarized electric field in rectangular waveguide (Short p.); *T-MTT* v22 n5 May 74 563-565 (2B08)
- Gardioli, Fred E.; Slotted line measurements for propagation constant in lossy waveguide (Short p.); *T-MTT* v23 n3 Mar 75 317-319 (1D09)
- Gardioli, Fred E., see Parriaux, Olivier; *T-MTT* v25 n3 Mar 77 221-224 (1D13)
- Gardioli, Fred E.; Comments on 'On the design of dielectric loaded waveguides' by Findakly, T. K., and Haskal, H. M.; *T-MTT* v25 n7 Jul 77 624-625
- Gardioli, Fred E.; Comments on 'Transmission from a rectangular waveguide into half space through a rectangular aperture'; *T-MTT* v26 n9 Sep 78 690 (1E08)
- Gardioli, Fred E., see Mazumder, Shamsur R.; *T-MTT* v27 n5 May 79 430-433 (1E12)
- Garg, Ramesh, and K. C. Gupta; Expressions for wavelength and impedance of a slotline (Ltr.); *T-MTT* v24 n8 Aug 76 532 (1D02)
- Garg, Ramesh; The effect of tolerances on microstripline and slotline performances; *T-MTT* v26 n1 Jan 78 16-19 (1B04)
- Garg, Ramesh, and I. J. Bahl; Characteristics of coupled microstriplines; *T-MTT* v27 n7 Jul 79 700-705. Correction, Mar 80 272 (1F04)
- Garver, R. V., and D. Y. Tseng; X -band diode limiting (Corresp.); *T-MTT* v9 n2 Mar 61 202
- Garver, R. V., see Jones, H. S., Jr.; *T-MTT* v12 n5 Sep 64 549
- Garver, Robert V., Edward G. Spencer, and M. A. Harper; Microwave semiconductor switching techniques; *T-MTT* v6 n4 Oct 58 378-383
- Garver, Robert V.; High-speed microwave switching of semiconductors—II; *T-MTT* v7 n2 Apr 59 272-276
- Garver, Robert V., and John A. Rosado; Microwave diode cartridge impedance; *T-MTT* v8 n1 Jan 60 104-107
- Garver, Robert V., John A. Rosado, and Edward F. Turner Jr.; Theory of the germanium diode microwave switch; *T-MTT* v8 n1 Jan 60 108-111
- Garver, Robert V.; Theory of TEM diode switching; *T-MTT* v9 n3 May 61 224-238
- Garver, Robert V.; Z₀ of rectangular coax (Corresp.); *T-MTT* v9 n3 May 61 262-263
- Garver, Robert V., and John A. Rosado; Broad-band TEM diode limiting; *T-MTT* v10 n5 Sep 62 302-310
- Garver, Robert V., see Cruzan, O. R.; *T-MTT* v12 n5 Sep 64 488-495
- Garver, Robert V.; Broadband binary 180° diode phase modulators; *T-MTT* v13 n1 Jan 65 32-38
- Garver, Robert V., and Ting H. Mak; Filters for high-speed diode modulators and demodulators; *T-MTT* v15 n7 Jul 67 390-397
- Garver, Robert V.; 360° varactor linear phase modulator; *T-MTT* v17 n3 Mar 69 137-147
- Garver, Robert V., Dietrich E. Bergfried, Samuel J. Raff, and Bruno O. Weinschel; Errors in S_{11} measurements due to the residual standing-wave ratio of the measuring equipment; *T-MTT* v20 n1 Jan 72 61-69 (2B08)
- Comments by Beatty, R. W., and Schafer, G. E., May 73 364
- Garver, Robert V.; Broad-band diode phase shifters; *T-MTT* v20 n5 May 72 314-323 (1C09)
- Garver, Robert V.; Comments on 'Error in impedance measurement when the signal is introduced across the slotted-line probe' by Barbero, J.; *T-MTT* v23 n6 Jun 75 536-537
- Garver, Robert V.; Microwave semiconductor control devices; *T-MTT* v27 n5 May 79 523-529 (2E08)
- Gast, J., L. Genzel, and U. Zwick; The performance of an amplitude Fourier spectrometer for far-infrared solid-state spectroscopy; *T-MTT* v22 n12 Dec 74 1026-1027 (1D06)
- Gastine, Monique, Louis Courtois, and Jean Louis Dormann; Electromagnetic resonances of free dielectric spheres; *T-MTT* v15 n12 Dec 67 694-700
- Gaufre, G., and R. Giraudet; Application of a far infrared grille spectrometer to the study of methyl cyanide vapor near 360 cm^{-1} (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Gauthier, Francis, Michel Besse, and Yves Garault; Analysis of an inhomogeneously loaded rectangular waveguide with dielectric and metallic losses; *T-MTT* v25 n11 Nov 77 904-907 (1C12)
- Gebbie, H. A., R. J. Emery, and D. L. Jones; Fourier spectroscopy of water vapor in a long path absorption cell for the range 5–20 cm^{-1} (150–600 GHz) (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Geddy, Bernard L.; A three-port network with constant phase difference properties (Corresp.); *T-MTT* v11 n1 Jan 63 92-93
- Gehre, O.; A heterodyne-detection system for measurements in collective HCN-laser scattering from thermonuclear plasmas; *T-MTT* v22 n12 Dec 74 1061-1064 (1F13)
- Geick, R., see Becker, C. R.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Geick, Reinhart; Application of submillimeter spectroscopy to magnetic excitations; *T-MTT* v25 n6 Jun 77 500-505 (1D06)
- Geithman, G. A., see Olsen, R. G.; *T-MTT* v25 n5 May 77 428-433 (1G04)
- Geller, B. D., see Grauling, C. H., Jr.; *T-MTT* v18 n9 Sep 70 651-652
- Gelnovatch, V. G., and T. F. Burke; Computer aided design of wide-band integrated microwave transistor amplifiers on high dielectric substrates; *T-MTT* v16 n7 Jul 68 429-439
- Gelnovatch, Vladimir G.; A computer program for the direct calibration of two-port reflectometers for automated microwave measurements (Short p.); *T-MTT* v24 n1 Jan 76 45-47 (1D05)
- Genzel, L., see Ulrich, R.; *T-MTT* v11 n5 Sep 63 363-371
- Genzel, L., see Gast, J.; *T-MTT* v22 n12 Dec 74 1026-1027 (1D06)
- George, Nicholas; Radiation patterns of a noise-excited thin slot; *T-MTT* v8 n5 Sep 60 493-500
- Georges, George C., and Kyohei Sakuda; Dispersion relations and mode polarizations for plane-wave oscillations in two-component anisotropic plasma (Comp. program descr.); *T-MTT* v19 n9 Sep 71 788-789 (1F02)
- Gerard, H. M.; Acoustic scattering parameters of the electrically loaded interdigital surface wave transducer (Corresp.); *T-MTT* v17 n11 Nov 69 1045-1046
- Gerard, H. M., see Smith, W. R.; *T-MTT* v19 n4 Apr 71 416-417 (2C12)
- Gerard, Henry M., see Smith, W. Richard; *T-MTT* v17 n11 Nov 69 856-864
- Gerard, Henry M., see Smith, W. Richard; *T-MTT* v17 n11 Nov 69 865-873
- Gerard, Henry M., G. W. Judd, and Melvin E. Pedinoff; Phase corrections for weighted acoustic surface-wave dispersive filters (Corresp.); *T-MTT* v20 n2 Feb 72 188-192 (2E10)
- Gerard, Henry M., see Smith, W. Richard; *T-MTT* v20 n7 Jul 72 458-471 (1D12)
- Gerard, Henry M., W. Richard Smith, William R. Jones, and J. Benjamin Harrington; The design and applications of highly dispersive acoustic surface-wave filters; *T-MTT* v21 n4 Apr 73 176-186 (1C06)
- Gerard, William A.; Reference cavity design considerations; *T-MTT* v5 n2 Apr 57 148-152
- Gerdine, M. A., and F. S. Barnes; A parallel-strip point-contact diode mount for video detection of millimeter waves (Corresp.); *T-MTT* v14 n1 Jan 66 41-42
- Gerdine, Milton A.; A frequency-stabilized microwave band-rejection filter using high dielectric constant resonators; *T-MTT* v17 n7 Jul 69 354-359
- Gerhard, A. R.; Measuring dielectric constant of substrates for microstrip applications (Ltr.); *T-MTT* v24 n7 Jul 76 485-487 (2C02)
- Gerke, H., and A. Paulin; Quick coaxial phase shifter for 150 watts (Corresp.); *T-MTT* v12 n6 Nov 64 620-621
- Gerlack, Richard Z.; 10-DB X_L cross guide coupler (Corresp.); *T-MTT* v9 n6 Nov 61 571
- Germann, Richard, see Epstein, Richard; *T-MTT* v16 n1 Jan 68 54-55
- Gerosa, Giorgio, see Barzilai, Giorgio; *T-MTT* v9 n5 Sep 61 403-408
- Gerson, Thomas J., and Joseph S. Nadan; Surface electromagnetic modes of a ferrite slab; *T-MTT* v22 n8 Aug 74 757-763. Correction, Feb 75 266 (1A03)
- Gerst, I., see Boyet, H.; *T-MTT* v7 n4 Oct 59 475-476
- Geshiro, Masahiro, Masanori Matsuhara, and Nobuaki Kumagai; Truncated parabolic-index fiber with minimum mode dispersion; *T-MTT* v26 n2 Feb 78 115-119 (1E13)
- Getsinger, W. J., and George L. Matthaeci; Some aspects of the design of wide-band up-converters and nondegenerate parametric amplifiers; *T-MTT* v12 n1 Jan 64 77-87
- Getsinger, W. J.; Dispersion of parallel-coupled microstrip (Short p.); *T-MTT* v21 n3 Mar 73 144-145 (1D02)
- Getsinger, William J.; Analysis of certain transmission-line networks in the time domain; *T-MTT* v8 n3 May 60 301-309
- Getsinger, William J.; A coupled strip-line configuration using printed-circuit construction that allows very close coupling; *T-MTT* v9 n6 Nov 61 535-544
- Getsinger, William J.; Ridge waveguide field description and application to directional couplers; *T-MTT* v10 n1 Jan 62 41-50
- Getsinger, William J.; Coupled rectangular bars between parallel plates; *T-MTT* v10 n1 Jan 62 65-72
- Getsinger, William J.; Prototypes for use in broadbanding reflection amplifiers; *T-MTT* v11 n6 Nov 63 486-497
- Getsinger, William J.; The packaged and mounted diode as a microwave circuit; *T-MTT* v14 n2 Feb 66 58-69
- Getsinger, William J.; Mounted diode equivalent circuits (Corresp.); *T-MTT* v15 n11 Nov 67 650-651
- Getsinger, William J.; Microstrip dispersion model; *T-MTT* v21 n1 Jan 73 34-39 (1D12)
- Getsinger, William J., see Cermak, Ivan A.; *T-MTT* v22 n3 Mar 74 155-160 (1A05)
- Getsinger, William J.; Microstrip characteristic impedance; *T-MTT* v27 n4 Apr 79 293 (1A03)
- Comments, *T-MTT* v28 n2 Feb 80 152
- Getsinger, William J., see Lee, Young Soo; *T-MTT* v27 n7 Jul 79 655-660 (1C01)
- Getsinger, William J., Guest ed.; Introduction; *T-MTT* v18 n8 Aug 69 415
- Gewartowski, J. W., and C. B. Swan; Constructive coupling in directional couplers (Corresp.); *T-MTT* v15 n2 Feb 67 134
- Gewartowski, James W., and James E. Morris; Active IMPATT diode parameters obtained by computer reduction of experimental data; *T-MTT* v18 n3 Mar 70 157-161
- Gewartowski, James W.; Noise figure for a mixer diode (Corresp.); *T-MTT* v19 n5 May 71 481 (2B07)
- Gewartowski, James W.; Progress with CW IMPATT diode circuits at microwave frequencies; *T-MTT* v27 n5 May 79 434-442 (1F02)
- Ghobrial, Samir I.; Intermodulation distortion and gain compression in varactor frequency converters (Short p.); *T-MTT* v23 n2 Feb 75 255-257 (1F03)
- Ghobrial, Samir Ibrahim, see Gardiner, John Graham; *T-MTT* v19 n9 Sep 71 741-749. Correction, Apr 72 293 (1B03)
- Ghose, Rabindra N.; Excitation of higher order modes in spherical cavities; *T-MTT* v5 n1 Jan 57 18-22
- Ghose, Rabindra N.; Exponential transmission lines as resonators and transformers; *T-MTT* v5 n3 Jul 57 213-217
- Giallorenzi, T. G., see Weller, J. F.; *T-MTT* v22 n11 Nov 74 973-975 (1E07)
- Giallorenzi, T. G., see Crowley, J. D.; *T-MTT* v26 n2 Feb 78 134-135 (1G04)
- Giallorenzi, Thomas G., see Andrews, R. A.; *T-MTT* v21 n12 Dec 73 763-769 (1C08)
- Gianino, P. D., see Masters, J. I.; *T-MTT* v8 n5 Sep 60 565-566
- Gianino, P. D., B. R. Capone, E. Kelly, and J. I. Masters; Technique for polishing single crystal yttrium-iron-garnet spheres (Corresp.); *T-MTT* v8 n5 Sep 60 569
- Giannini, F., and Adelio Salsano; Power generation and efficiency in GaAs traveling-wave amplifiers (Short p.); *T-MTT* v23 n5 May 75 449-452 (1D09)
- Giannini, Franco, see Bernardi, Paolo; *T-MTT* v24 n9 Sep 76 621-625 (1F07)
- Giannini, Franco, see D'Inzeo, Guglielmo; *T-MTT* v26 n7 Jul 78 462-471 (1A08)
- Giannini, Franco, see D'Inzeo, Guglielmo; *T-MTT* v28 n10 Oct 80 1107-1113
- Giannini, Richard J., Sever Anghel, and Raymond L. Camisa; An L -band MIC front end for an IFF receiver; *T-MTT* v19 n7 Jul 71 622-627 (2B01)
- Giarola, Attilio J., and W. F. Krueger; Continuous exposure of chicks and rats to electromagnetic fields; *T-MTT* v22 n4 Apr 74 432-437 (2B08)
- Gibbs, Stephen E., see Taylor, Brian C.; *T-MTT* v18 n11 Nov 70 799-807
- Gibson, Maurice H., and Ian Thomson; Radiation considerations in the design of linear microwave transistor amplifiers for space applications; *T-MTT* v26 n10 Oct 78 779-788 (1F07)
- Gibson, Peter J., see Aitchison, Colin S.; *T-MTT* v15 n1 Jan 67 22-31
- Giefing, A.; Coaxial impedance inverter design (Short p.); *T-MTT* v21 n3 Mar 73 135 (1C05)

Giger, Adolf J.; Comments on 'Planar transmission lines—II'; *T-MTT* v4 n3 Jul 56 184

Gilko, Emanuel, see Skudera, William, Jr.; *T-MTT* v15 n2 Feb 67 96-100

Gilden, M., see Cohen, Jerome; *T-MTT* v21 n2 Feb 73 115-116 (1F01)

Gilden, M., see Cohen, Jerome; *T-MTT* v21 n6 Jun 73 412-413 (2B01)

Gilden, Meyer, and George L. Matthaei; Practical design and performance of nearly optimum wide-band degenerate parametric amplifiers; *T-MTT* v9 n6 Nov 61 484-490

Gilden, Meyer, and Joseph J. Pergola; Microwave breakdown near a hot surface; *T-MTT* v12 n1 Jan 64 26-33

Gilgenbach, Ronald M., see Read, Michael E.; *T-MTT* v28 n8 Aug 80 875-878

Gillard, B. F., see Larson, Wilbur; *T-MTT* v18 n2 Feb 70 112-113

Gillespie, Edmond S., and Jacob J. Gustincic; The scattering of a TM surface wave by a perfectly conducting strip; *T-MTT* v13 n5 Sep 65 630-640

Gillespie, Edmond S., and Jacob J. Gustincic; The scattering of an axial cylindrical surface wave by a perfectly conducting plane annulus; *T-MTT* v16 n6 Jun 68 334-341

Gillespie, Edmond S.; The impedance and scattering properties of a plane annulus surrounding a Goubau line (Corresp.); *T-MTT* v19 n10 Oct 71 837-839 (1E11)

Gillespie, Edmond S., and Francis J. Kilburg; The impedance and scattering properties of a perfectly conducting strip above a plane surface-wave system (Short p.); *T-MTT* v21 n6 Jun 73 413-419 (2B02)

Comments by Brown, J., Apr 74 469

Gilson, Russell A., see Pitzalis, Octavio, Jr.; *T-MTT* v19 n4 Apr 71 381-386 (1E01)

Gilson, Russell A., see Pitzalis, Octavio, Jr.; *T-MTT* v21 n11 Nov 73 660-668 (1B06)

Glans, Edward L., see Ho, Henry S.; *T-MTT* v21 n12 Dec 73 837-840 (3B04)

Ginyovsky, Rolando, see Dyson, John D.; *T-MTT* v19 n1 Jan 71 94-96 (2E02)

Ginzton, E. L., and E. J. Nalos; Shunt impedance of klystron cavities; *T-MTT* v3 n5 Oct 55 4-7

Ginzton, Edward L.; Microwaves—Present and future; *T-MTT* v4 n3 Jul 56 135-136

Ginzton, Edward L.; Microwave Q measurements in the presence of coupling losses; *T-MTT* v6 n4 Oct 58 383-389

Giordano, Paul J., see Taub, Jesse; *T-MTT* v2 n2 Jul 54 26-38

Giraudet, R., see Gauffre, G.; *T-MTT* v22 n12 Dec 74 1118 (2D01)

Gish, Dennis L., and Odell Graham; Characteristic impedance and phase velocity of a dielectric-supported air strip transmission line with side walls; *T-MTT* v18 n3 Mar 70 131-148

Gladwell, Graham M. L., and Shimon Coen; A Chebyshev approximation method for microstrip problems; *T-MTT* v23 n11 Nov 75 865-870 (1B01)

Gladwell, Graham M. L., see Coen, Shimon; *T-MTT* v25 n1 Jan 77 1-6 (1A03)

Glance, B., and R. Tramburlo; A waveguide to suspended stripline transition (Ltr.); *T-MTT* v21 n2 Feb 73 117-118 (1F03)

Glance, B.; A magnetically tunable microstrip IMPATT oscillator (Short p.); *T-MTT* v21 n6 Jun 73 425-426 (2C02)

Glance, Bernard; A fast low-loss microstrip p-i-n phase shifter; *T-MTT* v27 n1 Jan 79 14-16 (1B02)

Glance, Bernard; A fast low-loss low-drive 14-GHz microstrip p-i-n phase shifter (Short p.); *T-MTT* v28 n6 Jun 80 669-671

Glance, Bernard S., and Martin V. Schneider; Millimeter-wave microstrip oscillators (Short p.); *T-MTT* v22 n12 Dec 74 1281-1283 (5A01)

Glance, Bernard S.; Microstrip varactor-tuned millimeter-wave transmitter (Ltr.); *T-MTT* v24 n3 Mar 76 156-157 (1C02)

Glance, Bernard S., see Henry, Paul; *T-MTT* v24 n5 May 76 254-257 (1B06)

Glance, Bernard S., and William W. Snell Jr.; A discriminator-stabilized microstrip oscillator (Short p.); *T-MTT* v24 n10 Oct 76 648-650 (1B06)

Glaser, Jerome I.; Attenuation and guidance of modes on hollow dielectric waveguides (Corresp.); *T-MTT* v17 n3 Mar 69 173-174

Glaser, Jerome I.; Numerical solution of waveguide scattering problems by finite-difference Green's functions; *T-MTT* v18 n8 Aug 70 436-443

Glaser, Jerome I.; Comments on 'A relationship between the scattering parameters of a passive lossy nonreciprocal two-port' by Hindin, H. J.; *T-MTT* v21 n3 Mar 73 135-136

Glaser, Zorach R., and Glenn M. Heimer; Determination and elimination of hazardous microwave fields aboard naval ships; *T-MTT* v19 n2 Feb 71 232-238 (3B01)

Glass, H. I.; A short rugged ferrite half-wave plate for a single-sideband modulator (Corresp.); *T-MTT* v7 n2 Apr 59 295

Glass, H. I.; A technique for minimizing hysteresis in a 35-db ferrite variable attenuator (Corresp.); *T-MTT* v7 n2 Apr 59 295-296

Glaser, Lance A., and Hermann A. Haus; Microwave mode locking at X band using solid-state devices; *T-MTT* v26 n2 Feb 78 62-69 (1B02)

Glaser, Lance A.; An analysis of microwave de-embedding errors (Tech. n.); *T-MTT* v26 n5 May 78 379-380 (1E05)

Gleason, K. Reed, Charles T. Rucker, N. W. Cox, Alan C. Macpherson, and Eliot D. Cohen; Experimental study of series connected TRAPATT diodes (Short p.); *T-MTT* v22 n8 Aug 74 804-806 (1D08)

Gleason, K. Reed, see Jenkins, William C.; *T-MTT* v22 n11 Nov 74 976-977 (1E10)

Gledhill, C. S.; Synthesis of particular unit real functions of reflection coefficient (Corresp.); *T-MTT* v15 n4 Apr 67 267-268. Correction, Jan 69 54-55

Gledhill, C. S.; The analysis of lossless transmission-line matching systems in terms of real functions (Corresp.); *T-MTT* v16 n1 Jan 68 49-50

Gledhill, C. S., and M. F. Abulela; Notes on the conjugate matched two-port as an UHF amplifier (Short p.); *T-MTT* v20 n4 Apr 72 289-290 (1E11)

Gledhill, C. S., and M. F. Abulela; Scattering parameter approach to the design of narrow-band amplifiers employing conditionally stable active elements (Short p.); *T-MTT* v22 n1 Jan 74 43-48 (1D03)

Gledhill, Cyril S., and Ali M. H. Issa; Exact solutions of stepped impedance transformers having maximally flat and Chebyshev characteristics; *T-MTT* v17 n7 Jul 69 379-386. Correction, Nov 69 1046

Comments, *T-MTT* v18 n9 Sep 70 648

Gloanc, Maurice, Gérard Nuzillat, Christian Arnodo, and Michel Peltier; An E-beam fabricated GaAs D-type flip-flop IC; *T-MTT* v28 n5 May 80 472-478

Gloge, Detlef; Propagation effects in optical fibers; *T-MTT* v23 n1 Jan 75 106-120 (2B01)

Glover, G. H., see Champlin, K. S.; *T-MTT* v14 n8 Aug 66 397-398

Glover, Gary H., see Champlin, Keith S.; *T-MTT* v16 n2 Feb 68 90-94

Glover, Gary H.; A simple technique for real-time measurement of complex reflection coefficient (Corresp.); *T-MTT* v18 n7 Jul 70 410-412

Glover, Gary H., see Champlin, Keith S.; *T-MTT* v18 n9 Sep 70 566-570

Glover, Gary H., and Keith S. Champlin; Investigation of 'twist' mode propagation in indium antimonide at 70 GHz; *T-MTT* v18 n9 Sep 70 570-575

Glover, M. H., see Butson, P. C.; *T-MTT* v10 n2 Mar 62 147-148

Gneiting, C. R., see Dickens, L. E.; *T-MTT* v9 n1 Jan 61 99-101

Gnerlich, Hans R., and John Ondria; A new look at noise in transferred electron oscillators; *T-MTT* v25 n12 Dec 77 977-981 (1B01)

Goben, Charles A., see Lai, Brian C. H.; *T-MTT* v28 n8 Aug 80 919-924

Goblick, T. J., Jr., and R. M. Bevensee; Variational principles and mode coupling in periodic structures; *T-MTT* v8 n5 Sep 60 500-509

Goddard, N. E.; Instantaneous frequency-measuring receivers (Ltr.); *T-MTT* v20 n4 Apr 72 292-293 (2F02)

Godone, Aldo, see Bava, Elio; *T-MTT* v27 n2 Feb 79 141-147 (1D09)

Godone, Aldo, see Bava, Elio; *T-MTT* v27 n8 Aug 79 753-757 (1C11)

Godtmann, H.-D., and W. Haas; Magnetodynamic modes in axially magnetized ferrite rods between two parallel conducting sheets (Corresp.); *T-MTT* v15 n8 Aug 67 478-480

Goedbloed, Jasper J., and Marinus T. Vlaardingbroek; Theory of noise and transfer properties of IMPATT diode amplifiers; *T-MTT* v25 n4 Apr 77 324-332 (2A01)

Gokgor, S., see Minakovic, B.; *T-MTT* v21 n8 Aug 73 568 (2D02)

Gold, Richard B., see Niclas, Karl B.; *T-MTT* v28 n3 Mar 80 172-179

Gold, Richard B., see Niclas, Karl B.; *T-MTT* v28 n4 Apr 80 285-294

Goldberg, H. S., and R. G. Wheeler; Far infrared voltage-tunable spectrometer detector (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)

Goldberg, Harold B., see Meyer, Maurice A.; *T-MTT* v3 n6 Dec 55 40-45

Golde, Hellmut; Theory and measurement of Q in resonant ring circuits; *T-MTT* v8 n5 Sep 60 560-564

Goldie, H., and L. Lapson; Application of a fast microwave switch to high-peak-power plasma diagnostic experiments (Corresp.); *T-MTT* v12 n1 Jan 64 143-144

Goldie, Harry; A multikilowatt X-band nanosecond source; *T-MTT* v15 n12 Dec 67 722-731

Goldsmith, Paul F., Richard L. Plambeck, and Raymond Y. Chiao; Measurement of atmospheric attenuation at 1.3 and 0.87 mm with an harmonic mixing radiometer (Ltr.); *T-MTT* v22 n12 Dec 74 1115-1116 (2C12)

Goldsmith, Paul F., and Richard L. Plambeck; A 230-GHz radiometer system employing a second-harmonic mixer (Short p.); *T-MTT* v24 n11 Nov 76 859-861

Goldsmith, Paul F., and Howard Schlossberg; A quasi-optical single sideband filter employing a semiconfocal resonator (Short p.); *T-MTT* v28 n10 Oct 80 1136-1139

Goldstein, Irving; Frequency stabilization of a microwave oscillator with an external cavity; *T-MTT* v5 n1 Jan 57 57-62

Goldstein, Irving, and Soren A. Soorsoorian; Microphony in waveguide; *T-MTT* v8 n3 May 60 372-375

Goldstein, Ladislav; Nonreciprocal electromagnetic wave propagation in ionized gaseous media; *T-MTT* v6 n1 Jan 58 19-29

Goldstone, Lenrod; Comments on 'A low VSWR matching technique'; *T-MTT* v5 n2 Apr 57 163

Goldstone, Leonard O., see Altschuler, Helmut M.; *T-MTT* v7 n2 Apr 59 213-221

Goldwasser, R. E., see de Koning, Joseph G.; *T-MTT* v23 n4 Apr 75 367-374 (1D03)

Gonda, Joseph, and William E. Schroeder; IMPATT diode circuit design for parametric stability; *T-MTT* v25 n5 May 77 343-352 (1A03)

Gonzalez, Guillermo, and Donald C. Stinson; Propagation in rectangular waveguide partially filled with an inhomogeneous dielectric (Corresp.); *T-MTT* v7 n5 May 69 284-286

Gonzalez, Guillermo, and Vern R. Johnson; Propagation in a rectangular waveguide partially filled with a linearly varying dielectric (Corresp.); *T-MTT* v18 n7 Jul 70 404-406

Goodrich, Hunter C., see Landry, Norman R.; *T-MTT* v22 n6 Jun 74 617-625 (1C03)

Goodrich, Lewis C., see Partain, Larry D.; *T-MTT* v24 n10 Oct 76 656-660 (1B14)

Goodwin, Frank E., and Gaylord E. Moss; Broad-band impedance matching into dielectric-filled waveguides; *T-MTT* v11 n1 Jan 63 36-39

Goodwin, Frank E., James E. Kiefer, and Gaylord E. Moss; The coupled-cavity transmission maser-engineering design; *T-MTT* v12 n3 May 64 349-358

Gopinath, A., see Hornsby, J. S.; *T-MTT* v17 n9 Sep 69 684-690

Gopinath, A., and Peter Silvester; Calculation of inductance of finite-length strips and its variation with frequency; *T-MTT* v21 n6 Jun 73 380-386 (1C02)

Gopinath, A., and B. Easter; Moment method of calculating discontinuity inductance microstrip right-angled bends (Short p.); *T-MTT* v22 n10 Oct 74 880-883 (1C06)

Gopinath, A., A. F. Thomson, and I. M. Stephenson; Equivalent circuit parameters of microstrip step change in width and cross junctions (Short p.); *T-MTT* v24 n3 Mar 76 142-144 (1B02)

Gopinath, A., see Neale, Brian M.; *T-MTT* v26 n10 Oct 78 827-831 (2C05)

Gopinath, A., and Chandra Gupta; Capacitance parameters of discontinuities in microstriplines; *T-MTT* v26 n10 Oct 78 831-836 (2C09)

Gopinath, Anand, see Thomson, Alistair F.; *T-MTT* v23 n8 Aug 75 648-655 (1D04)

Gopinath, Anand, see Gupta, Chandra; *T-MTT* v25 n10 Oct 77 819-822 (1B01)

Gopinath, Anand, see Gupta, Chandra; *T-MTT* v26 n9 Sep 78 649-652 (1B09)

Gordy, R. S., and G. P. Rodrigue; Broad-band impedance matching a shunt slot radiator using an improved computer-aided technique (Short p.); *T-MTT* v22 n8 Aug 74 799-801 (1D03)

Gornik, E., W. Müller, and F. Kohl; Tunable far-infrared source-detector system based on Landau-level transitions in n -InSb; *T-MTT* v22 n12 Dec 74 991-995 (1A13)

Gothard, Nicholas, see Foldes, Peter; *T-MTT* v9 n2 Mar 61 169-175

Goto, Shinji, see Miyoshi, Tanroku; *T-MTT* v25 n7 Jul 77 593-600 (1C01)

Gottfried, A. H., and J. J. Tancredi; On the utility and measurement of voltage probability density of wide-band microwave noise (Corresp.); *T-MTT* v16 n9 Sep 68 795-797

Gotzman, Jozef, see Kneppo, Ivan; *T-MTT* v25 n8 Aug 77 718

Goubau, G., and F. Schwering; Modes in radial wave beam resonators; *T-MTT* v13 n6 Nov 65 749-755

Goubau, Georg; Open wire lines; *T-MTT* v4 n4 Oct 56 197-200

Goubau, Georg, and J. Robert Christian; Some aspects of beam waveguides for long distance transmission at optical frequencies; *T-MTT* v12 n2 Mar 64 212-220

Goubau, Georg, see Christian, J. R.; *T-MTT* v15 n4 Apr 67 216-219

Goud, Paul A., see Tetarenko, R. P.; *T-MTT* v19 n11 Nov 71 887-889 (1E11)

Goud, Paul A., see Fikart, Josef L.; *T-MTT* v20 n10 Oct 72 702-703 (2C02)

Goud, Paul A., see Javed, Alauddin; *T-MTT* v25 n9 Sep 77 729-734 (1A13)

Goudet, Georges; Report of advances in microwave theory and techniques in Western Europe—1958; *T-MTT* v7 n3 Jul 59 327-330

Goudet, Georges; Report of advances in microwave theory and techniques in Western Europe—1959; *T-MTT* v8 n4 Jul 60 387-394

- Goudey, Kenneth R., and Attilio F. Sciambi Jr.; High power X-band monopulse tracking feed for the Lincoln Laboratory long-range imaging radar; *T-MTT* v26 n5 May 78 326-332 (1A08)
- Gough, Robert A., see Corbey, Colin D.; *T-MTT* v24 n1 Jan 76 31-39 (1C05)
- Gould, Lawrence, see Ward, Charles S.; *T-MTT* v13 n6 Nov 65 801-805
- Goulon, J., see Afsar, M. N.; *T-MTT* v25 n6 Jun 77 505-508 (1D11)
- Govaerts, René, see Vander Vorst, André S.; *T-MTT* v17 n1 Jan 69 51-52
- Govaerts, René J. M., see Vander Vorst, André S.; *T-MTT* v17 n8 Aug 69 454-460. Correction, Jul 70 412
- Govaerts, René J. M., see Vander Vorst, André S.; *T-MTT* v18 n8 Aug 70 468-475
- Govaerts, René J. M., see Laloux, Auguste A.; *T-MTT* v22 n3 Mar 74 229-236 (1F09)
- Govindarajan, G., and E. Bahar; Waveguide bend spurious mode program (Comput. program descr.); *T-MTT* v25 n8 Aug 77 713 (1G01)
- Govindarajan, Gopalan, see Bahar, Ezekiel; *T-MTT* v21 n12 Dec 73 819-824 (2D05)
- Goy, P., and B. Castaing; Cyclotron resonance at high frequency in metals (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Grabowski, Kenneth P.; A nondegenerate traveling-wave parametric amplifier; *T-MTT* v10 n2 Mar 62 103-107
- Grace, M. I.; Varactor-tuned avalanche transit-time oscillator with linear tuning characteristics (Corresp.); *T-MTT* v18 n1 Jan 70 44-45
- Grace, Martin I., see Okwit, Seymour; *T-MTT* v10 n6 Nov 62 558-563
- Graham, Odell, see Gish, Dennis L.; *T-MTT* v18 n3 Mar 70 131-148
- Granatstein, V. L., see Hirshfield, J. L.; *T-MTT* v25 n6 Jun 77 522-527 (1E14)
- Granatstein, V. L., and P. Sprangle; Mechanisms for coherent scattering of electromagnetic waves from relativistic electron beams; *T-MTT* v25 n6 Jun 77 545-550 (2B04)
- Granatstein, Victor L., M. Herndon, R. K. Parker, and S. P. Schlesinger; Strong submillimeter radiation from intense relativistic electron beams; *T-MTT* v22 n12 Dec 74 1000-1005 (1B08)
- Granatstein, Victor L., and S. Perry Schlesinger; Foreword—Part II: Sources based on relativistic electron beams; *T-MTT* v25 n6 Jun 77 513
- Granatstein, Victor L., see Chu, Kwo Ray; *T-MTT* v27 n2 Feb 79 178-187 (1G04)
- Granatstein, Victor L., see Read, Michael E.; *T-MTT* v28 n8 Aug 80 875-878
- Granatstein, Victor L., see Barnett, Larry R.; *T-MTT* v28 n12 Dec 80 1477-1481
- Grandy, Walter T., Jr., see Kerns, David M.; *T-MTT* v14 n2 Feb 66 85-92
- Grange, John A., see Kerr, Anthony R.; *T-MTT* v25 n5 May 77 399-401 (1E03)
- Grant, Peter M., Jeffrey H. Collins, Barry J. Darby, and David P. Morgan; Potential applications of acoustic matched filters to air-traffic control systems; *T-MTT* v21 n4 Apr 73 288-300 (3C05)
- Grantham, William L., see Jones, W. Linwood; *T-MTT* v23 n12 Dec 75 1053-1058 (2B04)
- Grasse, Charles L., and David A. Gandolfo; 400-MHz acoustic surface-wave pulse expansion and compression filter (Corresp.); *T-MTT* v19 n6 Jun 71 558-559 (2B12)
- Graulung, C. H., Jr., and B. D. Geller; Broad-band frequency translator with 30-dB suppression of spurious sidebands (Corresp.); *T-MTT* v18 n9 Sep 70 651-652
- Gray, Kenneth W., see Hardy, Walter N.; *T-MTT* v22 n4 Apr 74 382-390 (1C04)
- Gray, Kenneth W., see Thompson, Edgar J.; *T-MTT* v16 n11 Nov 68 938-943
- Gray, Melvin G., see Rambo, S. Ivan; *T-MTT* v13 n2 Mar 65 167-171
- Gray, Richard E., see Altman, Frederick J.; *T-MTT* v3 n6 Dec 55 22-26
- Grayzel, A. I.; Comments on 'A large signal analysis leading to intermodulation distortion prediction in abrupt junction varactor upconverters'; *T-MTT* v15 n3 Mar 67 183-184
- Grayzel, A. I.; Distortion of a narrow-band FM signal in a lossless abrupt-junction nonoverdriven varactor doubler (Corresp.); *T-MTT* v17 n9 Sep 69 727-728
- Grayzel, A. I.; The admittance matrix of coupled transmission lines (Ltr.); *T-MTT* v22 n10 Oct 74 902-904 (1D14)
- Grayzel, A. I.; A useful identity for the analysis of a class of coupled transmission-line structures (Ltr.); *T-MTT* v22 n10 Oct 74 904-906 (1E02)
- Grayzel, A. I.; An alternate derivation and procedure for Cristal's transformation for transmission-line networks (Ltr.); *T-MTT* v23 n8 Aug 75 715-716 (1B05)
- Grayzel, A. I.; The synthesis of quarter-wave transformers, low-pass and half-wave filters in the sine plane (Ltr.); *T-MTT* v23 n9 Sep 75 774-776 (1D14)
- Grayzel, Alfred I.; Computation of the performance of the abrupt junction varactor doubler; *T-MTT* v14 n5 May 66 239-242
- Grayzel, Alfred I.; The overdriven varactor upper sideband upconverter; *T-MTT* v15 n10 Oct 67 561-565
- Grayzel, Alfred I.; Design parameters for overdriven varactor frequency doublers using punch-through or bimode varactors (Corresp.); *T-MTT* v17 n6 Jun 69 345-347. Correction, Dec 69 1160
- Green, H. E., and J. R. Pyle; The characteristic impedance and velocity ratio of dielectric-supported strip line (Corresp.); *T-MTT* v13 n1 Jan 65 135-137
- Green, Harry E.; The characteristic impedance of square coaxial line (Corresp.); *T-MTT* v11 n6 Nov 63 554-555
- Green, Harry E.; The numerical solution of some important transmission-line problems; *T-MTT* v13 n5 Sep 65 676-692. Correction, May 75 455
- Green, Harry E., see Sinnott, Donald H.; *T-MTT* v17 n8 Aug 69 464-478
- Green, Harry E.; The resonant frequency of a narrow-gap cylindrical cavity (Ltr.); *T-MTT* v25 n3 Mar 77 233-234 (1E11)
- Green, Jerome J., and Ernst Schlömann; High power ferromagnetic resonance at X-band in polycrystalline garnets and ferrites; *T-MTT* v8 n1 Jan 60 100-103
- Green, Jerome J., and Frank Sandy; Microwave characterization of partially magnetized ferrites; *T-MTT* v22 n6 Jun 74 641-645 (1D13)
- Green, Jerome J., and Frank Sandy; A catalog of low power loss parameters and high power thresholds for partially magnetized ferrites; *T-MTT* v22 n6 Jun 74 645-651 (1E03)
- Green, Jerome J., and H. Jerrold Van Hook; Microwave properties of lithium ferrites (Short p.); *T-MTT* v25 n2 Feb 77 155-159 (1F05)
- Green, Peter E.; General purpose programs for the frequency domain analysis of microwave circuits; *T-MTT* v17 n8 Aug 69 506-514
- Green, Peter E., Michael K. McPhun, Marco A. Murray-Lasso, and Allen E. Smoll; Automatic general-purpose microwave circuit analysis programs; *T-MTT* v17 n8 Aug 69 527-533
- Green, Robert B.; A grating formulation for some problems involving cylindrical discontinuities in rectangular waveguides; *T-MTT* v17 n10 Oct 69 760-763
- Green, Robert B.; Diffraction efficiencies for infinite perfectly conducting gratings of arbitrary profile; *T-MTT* v18 n6 Jun 70 313-318
- Greene, Carl K.; A microstrip nonreciprocal tunable YIG filter (Corresp.); *T-MTT* v16 n7 Jul 68 484-486
- Gregory, R. O., see Risch, Craig O.; *T-MTT* v23 n4 Apr 75 348-353 (1B12)
- Greiling, P. T., see Eisenhart, Robert L.; *T-MTT* v26 n3 Mar 78 172-174 (1C10)
- Greiling, Paul T., see Haddad, George I.; *T-MTT* v18 n11 Nov 70 752-772
- Greiling, Paul T., and George I. Haddad; Large-signal equivalent circuits of avalanche transit-time devices; *T-MTT* v18 n11 Nov 70 842-853
- Greiling, Paul T., and Richard W. Laton; Determination of semiconductor junction device package networks; *T-MTT* v22 n12 Dec 74 1140-1145 (3B08)
- Greiling, Paul T., see Claxton, Dale H.; *T-MTT* v23 n6 Jun 75 501-504 (1D01)
- Greiling, Paul T., see Alexopoulos, Nicolaos G.; *T-MTT* v28 n5 May 80 459-466
- Greiling, Paul T., see Dobratz, Burton E.; *T-MTT* v28 n5 May 80 486-490
- Greiling, Paul T., Guest ed.; Foreword; *T-MTT* v28 n5 May 80 441
- Greiser, John W., see Kantor, Gideon; *T-MTT* v26 n8 Aug 78 563-568 (1D07)
- Griemsmann, John W. E., see Torgow, Eugene N.; *T-MTT* v3 n2 Mar 55 57-64
- Griemsmann, John W. E.; An approximate analysis of coaxial line with a helical dielectric support; *T-MTT* v4 n1 Jan 56 13-23
- Griemsmann, John W. E., and George S. Kasai; Broad-band waveguide series *T* for switching; *T-MTT* v4 n4 Oct 56 252-255
- Griemsmann, John W. E., see Berger, Henry; *T-MTT* v16 n1 Jan 68 11-16
- Griemsmann, John W. E., see Berger, Henry; *T-MTT* v16 n1 Jan 68 16-20
- Griemsmann, John W. E., see Berger, Henry; *T-MTT* v16 n10 Oct 68 842-849
- Griffin, James R., see Joines, William T.; *T-MTT* v16 n4 Apr 68 258-260
- Grimes, E. S., Jr., Donald D. Bartholomew, Donald C. Scott, and Sandy C. Sloan Jr.; Broad-band ridge waveguide ferrite devices; *T-MTT* v8 n5 Sep 60 489-492
- Grimes, E. S., Jr., see Rucker, C. T.; *T-MTT* v13 n1 Jan 65 123-124
- Grimm, H. H., see Linker, J. B., Jr.; *T-MTT* v6 n4 Oct 58 415-418
- Grove, H. Mark, see Sharp, Joseph C.; *T-MTT* v22 n5 May 74 583-584 (2C14)
- Grove, H. Mark, see Lenox, Robert H.; *T-MTT* v24 n1 Jan 76 58-61 (1E04)
- Grove, Wayne M.; Sampling for oscilloscopes and other RF systems: Dc through X-band; *T-MTT* v14 n12 Dec 66 629-635
- Grow, R. W., see McLaughlin, John W.; *T-MTT* v6 n3 Jul 58 314-316
- Grow, R. W., see Lin, C. M.; *T-MTT* v6 n4 Oct 58 454-455
- Grubin, H. L.; Switching characteristics of nonlinear field-effect transistors: Gallium-arsenide versus silicon; *T-MTT* v28 n5 May 80 442-448
- Gruenberg, Harry, and Peter Daly; Waveguides containing moving dispersive media; *T-MTT* v15 n11 Nov 67 636-642
- Grüner, Konrad; Method of synthesizing nonuniform waveguides; *T-MTT* v22 n3 Mar 74 317-322 (3A01)
- Gruner, L.; Higher order modes in rectangular coaxial waveguides (Corresp.); *T-MTT* v13 n8 Aug 67 483-485
- Gruner, L.; Multiconductor transmission lines and the Green's matrix (Short p.); *T-MTT* v22 n9 Sep 74 837-839 (1B07)
- Gruner, Lucian; Characteristics of crossed rectangular coaxial structures; *T-MTT* v28 n6 Jun 80 622-627
- Gsteiger, K. E., see Cox, N. W.; *T-MTT* v22 n12 Dec 74 1325-1328 (5D03)
- Gsteiger, Kurt E., see Amoss, John W.; *T-MTT* v15 n12 Dec 67 742-747
- Guarrera, John J.; Keynote Address; *T-MTT* v22 n12 Dec 74 1131-1133 (3A13)
- Guckel, H., and Y. Y. Sun; Uniform multimode transmission lines (Short p.); *T-MTT* v20 n6 Jun 72 412-413 (2B11)
- Guckel, Henry; Characteristic impedances of generalized rectangular transmission lines; *T-MTT* v13 n3 May 65 270-274. Correction, Aug 68 555
- Guckel, Henry, Pierce A. Brennan, and István Palóc; A parallel-plate waveguide approach to microminiaturized, planar transmission lines for integrated circuits; *T-MTT* v15 n8 Aug 67 468-476
- Guena, Jean-Jérôme, see Ramy, Jean-Pierre; *T-MTT* v26 n10 Oct 78 814-820 (2B06)
- Guentzler, Ronald E.; The influence of cathoporesis upon the noise temperature of F8T5 lamps; *T-MTT* v18 n7 Jul 70 393-400
- Guentzler, Ronald E.; Noise temperature data on cathoporetically pumped F13T5 lamps (Corresp.); *T-MTT* v19 n3 Mar 71 339-341 (2D01)
- Guentzler, Ronald E.; Comments on 'Measured noise temperature versus theoretical electron temperature for gas discharge noise sources' by Olson, K. W.; *T-MTT* v22 n4 Apr 74 469-470
- Guentzler, Ronald E.; Additional information on the noise-temperature behavior of F8T5 lamps (Ltr.); *T-MTT* v24 n8 Aug 76 538-539 (1D08)
- Guentzler, Ronald E.; The new similarity rules applied to argon microwave noise sources; *T-MTT* v25 n7 Jul 77 619-621 (1D13)
- Guidi, I., see Corsi, S.; *T-MTT* v22 n12 Dec 74 1036-1041 (1E02)
- Guidice, Donald A., see Castelli, John P.; *T-MTT* v22 n12 Dec 74 1292-1299 (5A12)
- Guillon, P., and Yves Garault; Accurate resonant frequencies of dielectric resonators; *T-MTT* v25 n11 Nov 77 916-922. Correction, Apr 80 434 (1D10)
- Guiraud, Jean-Louis, see Crampagne, Raymond; *T-MTT* v25 n5 May 77 442-444 (2A06)
- Guiraud, Jean-Louis, see Crampagne, Raymond; *T-MTT* v26 n2 Feb 78 82-87 (1C08)
- Gunderson, Leslie C., see Kim, John R.; *T-MTT* v19 n3 Mar 71 331-332 (2C05)
- Gunn, M. W., see Sheikh, R. H.; *T-MTT* v16 n2 Feb 68 117-121
- Gunn, M. W., see Rahman, S. A.; *T-MTT* v17 n5 May 69 279-281
- Gunn, M. W., see Rahman, M. H.; *T-MTT* v17 n7 Jul 69 402-403
- Gunn, M. W., see Albrey, J. J.; *T-MTT* v22 n7 Jul 74 739-742 (1C05)
- Gunn, M. W., see Ness, J. B.; *T-MTT* v23 n9 Sep 75 767-772 (1D07)
- Gunn, M. W., see Ness, J. B.; *T-MTT* v24 n7 Jul 76 473-476 (2B04)
- Gunn, M. W., see Ness, John B.; *T-MTT* v26 n11 Nov 78 894-897 (1D10)
- Gunshor, R. L., see Templin, A. S.; *T-MTT* v22 n5 May 74 554-556 (2A13)
- Gunshor, Robert L., see Jethwa, C. P.; *T-MTT* v20 n9 Sep 72 565-572 (1B03)
- Gunshor, Robert L., see Kiehl, Richard A.; *T-MTT* v24 n4 Apr 76 165-172 (1A03)
- Gunston, M. A. R.; A simple formula for calculating approximate values of the first zeros of a combination Bessel function equation (Corresp.); *T-MTT* v11 n1 Jan 63 93-94
- Gunston, M. A. R.; An empirical formula for the design of radial line filters (Corresp.); *T-MTT* v12 n5 Sep 64 571-572
- Gupta, Chandra, and Anand Gopinath; Equivalent circuit capacitance of microstrip step change in width; *T-MTT* v25 n10 Oct 77 819-822 (1B01)
- Gupta, Chandra, Brian Easter, and Anand Gopinath; Some results on the end effects of microstriplines; *T-MTT* v26 n9 Sep 78 649-652 (1B09)
- Gupta, Chandra, see Gopinath, A.; *T-MTT* v26 n10 Oct 78 831-836 (2C09)
- Gupta, Hari M., see Bahl, Inder J.; *T-MTT* v22 n1 Jan 74 52-54 (1D12)
- Gupta, K. C., see Garg, Ramesh; *T-MTT* v24 n8 Aug 76 532 (1D02)
- Gupta, K. C., see Wahi, Pradeep; *T-MTT* v24 n9 Sep 76 619-621 (1F05)
- Gupta, K. C., see Shamasundara, Srigiripuram D.; *T-MTT* v26 n10 Oct 78 788-794 (1G02)
- Gupta, K. C., see Bahl, I. J.; *T-MTT* v28 n3 Mar 80 219-224
- Gupta, K. C., see Chadha, Rakesh; *T-MTT* v28 n10 Oct 80 1139-1143
- Gupta, Krishna K., see Neelakantaswamy, Perambur S.; *T-MTT* v25 n5 May 77 426-428 (1G02)
- Gupta, Krishna Kumar, see Neelakantaswamy, Perambur S.; *T-MTT* v26 n9 Sep 78 665-666 (1C11)

- Gupta, Madhu-Sudan, see Montress, Gary K.; *T-MTT* v27 n5 May 79 458-462 (1G12)
- Gupta, Madhu-Sudan: A small-signal and noise equivalent circuit for IMPATT diodes (Short p.); *T-MTT* v27 n9 Sep 73 591-594 (1C09)
- Gupta, Madhu-Sudan: Large-signal equivalent circuit for IMPATT-diode characterization and its application to amplifiers; *T-MTT* v21 n11 Nov 73 689-694 (1D11)
- Gupta, Madhu-Sudan, Ronald J. Lomax, and George I. Haddad: Noise considerations in self-mixing IMPATT-diode oscillators for short-range Doppler radar applications; *T-MTT* v22 n1 Jan 74 37-43 (1C11)
- Gupta, O. P., and R. J. Wenzel: Design tables for a class of optimum microwave bandstop filters (Corresp.); *T-MTT* v18 n7 Jul 70 402-404
- Gupta, Om P., see Carlin, Herbert J.; *T-MTT* v17 n8 Aug 69 598-604
- Gupta, Om P.: Roots of equiripple insertion-loss functions for commensurate line filters (Corresp.); *T-MTT* v19 n4 Apr 71 410-411 (2C06)
- Gupta, R. R.: Accurate impedance determination of coupled TEM conductors; *T-MTT* v17 n8 Aug 69 479-489
- Gupta, R. R.: Fringing capacitance curves for coplanar rectangular coupled bars (Corresp.); *T-MTT* v17 n8 Aug 69 637-638
- Gupta, Ramesh K., and Colin G. Englefield: Up-conversion in IMPATT amplifiers; *T-MTT* v26 n1 Jan 78 28-30 (1C02)
- Gupta, S. C., see Agrawal, Lal Ji; *T-MTT* v24 n3 Mar 76 160-161 (1C06)
- Gupta, Shanti S., and Neeraj C. Srivastava: Ray optic approach to magnetostatic bulk wave propagation in a YIG film delay line; *T-MTT* v28 n8 Aug 80 915-919
- Guru, Bhag S., see Chen, Kun-Mu; *T-MTT* v25 n9 Sep 77 746-756 (1C02)
- Guru, Bhag Singh, and Kun-Mu Chen: Experimental and theoretical studies on electromagnetic fields induced inside finite biological bodies; *T-MTT* v24 n7 Jul 76 433-440 (1D01)
- Comments by Bassen, H. I., and Cheung, A.; *T-MTT* v27 623-624
- Gustafsson, Lennart, G. H. Bertil Hansson, and K. Ingemar Lundström: On the use of describing functions in the study of nonlinear active microwave circuits; *T-MTT* v20 n6 Jun 72 402-409 (2B01)
- Gustafsson, Lennart, K. Ingemar Lundström, and G. H. Bertil Hansson: Basic properties of subharmonic injection locking; *T-MTT* v21 n1 Jan 73 28-34 (1D06)
- Gustafsson, Lennart, K. Ingemar Lundström, and G. H. Bertil Hansson: Maximum phase-locking bandwidth obtainable by injection locking (Short p.); *T-MTT* v21 n5 May 73 353-355 (1E07)
- Gustincic, Jacob J.: A general power loss method for attenuation of cavities and waveguides; *T-MTT* v11 n1 Jan 63 83-87
- Gustincic, Jacob J., see Gillespie, Edmond S.; *T-MTT* v13 n5 Sep 65 630-640
- Gustincic, Jacob J., see Gillespie, Edmond S.; *T-MTT* v16 n6 Jun 68 334-341
- Guthart, H., and E. M. T. Jones: A high-power S-band filter (Corresp.); *T-MTT* v10 n2 Mar 62 148-149
- Gutmann, R. J., and Kenneth E. Mortenson: An ordered array of terminated metallic posts as an embedding network for lumped microwave devices; *T-MTT* v20 n3 Mar 72 215-223 (1C05)
- Gutmann, R. J., and J. M. Borrego: Power combining in an array of microwave power rectifiers; *T-MTT* v27 n12 Dec 79 958-968 (1C06)
- Guy, Arthur W.: Analyses of electromagnetic fields induced in biological tissues by thermographic studies on equivalent phantom models; *T-MTT* v19 n2 Feb 71 205-214 (2D04)
- Guy, Arthur W.: Electromagnetic fields and relative heating patterns due to a rectangular aperture source in direct contact with bilayered biological tissue; *T-MTT* v19 n2 Feb 71 214-223 (2E01)
- Guy, Arthur W., see Ho, Henry S.; *T-MTT* v19 n2 Feb 71 224-231 (2E11)
- Guy, Arthur W., see Lin, James C.; *T-MTT* v21 n12 Dec 73 791-797. Correction, Feb 75 265 (2B01)
- Guy, Arthur W., James C. Lin, Pirokka O. Kramar, and Ashley F. Emery: Effect of 2450-MHz radiation on the rabbit eye; *T-MTT* v23 n6 Jun 75 492-498 (1C06)
- Guy, Arthur W., see Courtney, Kenneth R.; *T-MTT* v23 n10 Oct 75 809-813 (1C03)
- Guy, Arthur W., see Lin, James C.; *T-MTT* v25 n10 Oct 77 833-836 (1C01)
- Guy, Arthur W., see Chou, Chung-Kwang; *T-MTT* v26 n3 Mar 78 141-147 (1A07)
- Guy, Arthur W., Justus F. Lehmann, Jerry B. Stonebridge, and Carrol C. Sorensen: Development of a 915-MHz direct-contact applicator for therapeutic heating of tissues; *T-MTT* v26 n8 Aug 78 550-556 (1C08)
- Guy, Arthur W., see Lehmann, Justus F.; *T-MTT* v26 n8 Aug 78 556-563 (1C14)
- Guy, Arthur W., Guest ed.: Foreword to special issue; *T-MTT* v26 n8 Aug 78 517-518 (1A03)
- Gwarek, Wojciech K., see Faber, Marek T.; *T-MTT* v28 n11 Nov 80 1174-1181
- Gyorgy, E. M., see Weiss, M. T.; *T-MTT* v2 n3 Sep 54 38-44
- Gysel, Ulrich H., see Cristol, Edward G.; *T-MTT* v22 n5 May 74 499-504 (1B07)
- Gysel, Ulrich H.: New theory and design for hairpin-line filters; *T-MTT* v22 n5 May 74 523-531 (1D03)
- Gysel, Ulrich H., see Lee, Robert E.; *T-MTT* v24 n5 May 76 249-253 (1B01)
- H
- Haack, G. R.: Optimal design of coaxial low-pass filters (Corresp.); *T-MTT* v17 n3 Mar 69 169-170
- Haas, Robert W., and Peter Zimmermann: 22-GHz measurements of dielectric constants and loss tangents of castable dielectrics at room and cryogenic temperatures (Corresp.); *T-MTT* v24 n11 Nov 76 881-883 (3C01)
- Haas, Robert W., see Keen, Nigel J.; *T-MTT* v26 n10 Oct 78 843-844 (2D07)
- Haas, W., see Godtmann, H.-D.; *T-MTT* v15 n8 Aug 67 478-480
- Hach, Johann-Peter: A very sensitive airborne microwave radiometer using two reference temperatures; *T-MTT* v16 n9 Sep 68 629-636
- Haddad, George I., and Joseph E. Rowe: X-band ladder-line traveling-wave maser; *T-MTT* v10 n1 Jan 62 3-8
- Haddad, George I., and David H. Paxman: Traveling-wave maser experiments using ruby at X band; *T-MTT* v12 n4 Jul 64 406-414
- Haddad, George I.: Characteristics of dielectrically loaded ladder lines for traveling-wave masers and other applications; *T-MTT* v14 n3 Mar 66 120-129
- Haddad, George I., see Krage, Mark K.; *T-MTT* v16 n5 May 68 302-307
- Haddad, George I., Editorial comment; *T-MTT* v17 n8 Aug 69 414
- Haddad, George I., see Adair, James E.; *T-MTT* v17 n10 Oct 69 746-752
- Haddad, George I.: Editor's note; *T-MTT* v17 n11 Nov 69 798
- Haddad, George I., see Krage, Mark K.; *T-MTT* v18 n4 Apr 70 217-222
- Haddad, George I., see Krage, Mark K.; *T-MTT* v18 n4 Apr 70 222-228
- Haddad, George I., see Schroeder, W. E.; *T-MTT* v18 n6 Jun 70 327-331
- Haddad, George I., Editor's note; *T-MTT* v18 n11 Nov 70 750
- Haddad, George I., Paul T. Greiling, and William E. Schroeder: Basic principles and properties of avalanche transit-time devices; *T-MTT* v18 n11 Nov 70 752-772
- Haddad, George I., see Greiling, Paul T.; *T-MTT* v18 n11 Nov 70 842-853
- Haddad, George I.: Editor's note; *T-MTT* v19 n2 Feb 71 128 (1B04)
- Haddad, George I.: Editor's note; *T-MTT* v20 n1 Jan 72 1 (1B01)
- Haddad, George I., see Eldumiaty, Ismail I.; *T-MTT* v20 n2 Feb 72 126-132 (1E04)
- Haddad, George I., see Krage, Mark K.; *T-MTT* v20 n10 Oct 72 678-688 (1E10)
- Haddad, George I., see Trew, Robert J.; *T-MTT* v20 n12 Dec 72 805-812 (1C04)
- Haddad, George I., C. M. Lee, and W. E. Schroeder: An approximate comparison between n⁺-p-p⁺ and p⁺-n-n⁺ silicon TRAPATT diodes (Short p.); *T-MTT* v21 n7 Jul 73 501-502 (2C08)
- Haddad, George I., see Chao, Chente; *T-MTT* v21 n10 Oct 73 619-630 (1C09)
- Haddad, George I., see Laton, Richard W.; *T-MTT* v21 n11 Nov 73 668-680 (1C02)
- Haddad, George I., see Gupta, Madhu-Sudan; *T-MTT* v22 n1 Jan 74 37-43 (1C11)
- Haddad, George I., see Lee, Charles M.; *T-MTT* v22 n3 Mar 74 160-177 (1A10)
- Haddad, George I., see Trew, R. J.; *T-MTT* v22 n12 Dec 74 1166-1170 (3D06)
- Haddad, George I., see Trew, R. J.; *T-MTT* v23 n12 Dec 75 1043-1047 (2A08)
- Haddad, George I., see East, Jack R.; *T-MTT* v24 n12 Dec 76 943-948 (1D03)
- Haddad, George I., see Tang, D.; *T-MTT* v25 n9 Sep 77 734-741 (1B04)
- Haddad, George I., see Iijima, Y.; *T-MTT* v26 n2 Feb 78 132-133 (1G02)
- Haddad, George I., see Elta, Michael E.; *T-MTT* v27 n5 May 79 442-449 (1F10)
- Haddad, George I., see Peterson, Dean F.; *T-MTT* v28 n9 Sep 80 945-951
- Haddad, George I., see Mains, Richard K.; *T-MTT* v28 n10 Oct 80 1070-1076
- Haden, C. R., and T. D. Shockley Jr.: Nuclear radiation perturbation of a semiconductor-filled microwave cavity; *T-MTT* v14 n7 Jul 66 347-349
- Haden, C. R., see Shockley, T. D.; *T-MTT* v16 n8 Aug 68 562-564
- Hadge, Eugene: Compact top-wall hybrid junction; *T-MTT* v1 n1 Mar 53 29-30
- Hagan, Gary J., see Ho, Henry S.; *T-MTT* v23 n12 Dec 75 1058-1061 (2B09)
- Hagelin, Sven: A flow graph analysis of 3- and 4-port junction circulators; *T-MTT* v14 n5 May 66 243-249
- Hagelin, Sven: Analysis of lossy symmetrical three-port networks with circulator properties; *T-MTT* v17 n6 Jun 69 328-333
- Hagmann, Mark J., Om P. Gandhi, and Carl H. Durney: Upper bound on cell size for moment-method solutions; *T-MTT* v25 n10 Oct 77 831-832 (1B13)
- Hagmann, Mark J., Om P. Gandhi, and Carl H. Durney: Improvement of convergence in moment-method solutions by the use of interpolants; *T-MTT* v26 n11 Nov 78 904-908 (1E06)
- Hagmann, Mark J., Om P. Gandhi, and Carl H. Durney: Numerical calculation of electromagnetic energy deposition for a realistic model of man; *T-MTT* v27 n9 Sep 79 804-809 (1C10)
- Comments, *T-MTT* v28 n9 Sep 80 1034
- Hagmann, Mark J., Om P. Gandhi, John A. D'Andrea, and Indira Chatterjee: Head resonance: Numerical solutions and experimental results; *T-MTT* v27 n9 Sep 79 809-813 (1D01)
- Hagmann, Mark J., see Chatterjee, Indira; *T-MTT* v28 n12 Dec 80 1452-1459
- Hagon, P. J., see Costanza, S. T.; *T-MTT* v17 n11 Nov 69 1042-1043
- Hagon, P. J., F. B. Micheletti, R. N. Seymour, and C. Y. Wrigley: A programmable surface acoustic wave matched filter for phase-coded spread spectrum waveforms (Short p.); *T-MTT* v21 n4 Apr 73 303-306 (3D11)
- Hagström, Claes E., and Erik L. Kollberg: Measurements of embedding impedance of millimeter-wave diode mounts; *T-MTT* v28 n8 Aug 80 899-904
- Hahn, E. W., see Antich, Peter P.; *T-MTT* v26 n8 Aug 78 569-572 (1D13)
- Hahn, Harald, and Henry J. Halama: Perturbation measurement of transverse R/Q in iris-loaded waveguides; *T-MTT* v16 n1 Jan 68 20-29
- Haine, John L., and David J. Rhodes: Direct design formulas for asymmetric bandpass channel duplexers; *T-MTT* v25 n10 Oct 77 807-813 (1A03)
- Hair, Hugh A., see Roome, Gerard T.; *T-MTT* v16 n7 Jul 68 411-420
- Hakki, Basil W., and Paul D. Coleman: A dielectric resonator method of measuring inductive capacities in the millimeter range; *T-MTT* v8 n4 Jun 60 402-410
- Halama, Henry J., see Hahn, Harald; *T-MTT* v16 n1 Jan 68 20-29
- Haldenwang, P., see Buzzi, J. M.; *T-MTT* v26 n6 Jun 77 559-560 (2C04)
- Halevy, Shalom, Shalom Raz, and Haim Cory: Bandwidth optimization by dielectric loading; *T-MTT* v26 n6 Jun 78 406-412 (1B14)
- Halford, G. John, see Denson, Colin I.; *T-MTT* v16 n9 Sep 68 655-663
- Halgas, F. A., see Larsen, Lawrence E.; *T-MTT* v27 n7 Jul 79 673-679 (1D05)
- Hall, George A., see Morris, George E.; *T-MTT* v22 n7 Jul 74 745-746 (1C11)
- Hall, James A., see Peppiatt, Harry J.; *T-MTT* v16 n9 Sep 68 748-752
- Hall, Maurice B., and William E. Little: A directional coupler with a readily calculable coupling ratio; *T-MTT* v15 n11 Nov 67 598-603
- Halford, Ben R.: Low-noise microstrip mixer on a plastic substrate (Corresp.); *T-MTT* v18 n12 Dec 70 1178-1181
- Halford, Ben R.: A 90-dB microstrip switch on a plastic substrate (Corresp.); *T-MTT* v19 n7 Jul 71 654-657 (2D09)
- Halvorson, Robert L.: Remote control of standby engine generator sets over a microwave system; *T-MTT* v2 n1 Apr 54 32-35
- Hamasaki, Jōji, see Kurokawa, Kaneyuki; *T-MTT* v7 n3 Jul 59 360-365
- Hamasaki, Jōji, see Kurokawa, Kaneyuki; *T-MTT* v8 n1 Jan 60 10-17
- Hamasaki, Jōji: A low-noise and wide-band Esaki diode amplifier with a comparatively high negative conductance diode at 1.3 Gc/s; *T-MTT* v13 n2 Mar 65 213-224
- Hamasaki, Jōji, see Kuwahara, Hideo; *T-MTT* v23 n1 Jan 75 178-179 (2G03)
- Hamasaki, Jōji, see Kuwahara, Hideo; *T-MTT* v23 n1 Jan 75 179-180 (2G04)
- Hamid, M. A. K., see Iskander, Magdy F.; *T-MTT* v25 n9 Sep 77 763-768 (1D05)
- Hamid, M. A. K., and M. M. Yunk: On the design of stepped transmission-line transformers (Corresp.); *T-MTT* v15 n9 Sep 67 528-529
- Hamid, M. A. K., see Robinson, J. E.; *T-MTT* v16 n4 Apr 68 261
- Hamid, M. A. K., see Bhartia, P.; *T-MTT* v19 n1 Jan 71 110-111 (2F06)
- Hamid, M. A. K., see Rzepecka, Maria A.; *T-MTT* v20 n1 Jan 72 30-37 (1D08)
- Hamid, M. A. K., see Rzepecka, Maria A.; *T-MTT* v20 n9 Sep 72 628-630 (2C03)
- Hamilton, J. J.: Dual reflex klystron cavity-beam interaction (Corresp.); *T-MTT* v14 n4 Apr 66 209-210
- Hamilton, R. J., Jr., see de Koning, Joseph G.; *T-MTT* v23 n4 Apr 75 367-374 (1D03)
- Hamilton, R. J., Jr., see de Koning, J. G.; *T-MTT* v25 n2 Feb 77 152-155 (1F02)
- Hamilton, Robert J., Jr., Robert D. Fairman, Stephen I. Long, Masahiro Omori, and F. Beringer Fank: InP Gunn-effect devices for millimeter-wave amplifiers and oscillators; *T-MTT* v24 n11 Nov 76 775-780 (2A08)
- Hammer, G., see Berceci, Tibor; *T-MTT* v23 n4 Apr 75 341-348 (1B05)
- Hance, Harold V., and Wadim I. Dobrov: Microwave acoustic simulation of airborne radar ground echoes; *T-MTT* v17 n11 Nov 69 963-967

- Handl, A.**; Present status of the applications of pyroelectricity to the detection of far-infrared radiations; *T-MTT* v22 n12 Dec 74 1016-1018 (1C10)
- Hanfling, J.**, and L. Botte; Measurement of dielectric materials using a cutoff circular-waveguide cavity (Short p.); *T-MTT* v20 n3 Mar 72 233-235 (1D11)
- Hanfling, J. D.**, and S. R. Monaghan; Feedthrough for digital latching ferrite phasers (Short p.); *T-MTT* v20 n8 Aug 72 549-552 (2B04)
- Hanks, H. C., Jr.**; The microwave interferometer for measuring the time displacement of a projectile within the barrel of a gun (Abstr.); *T-MTT* v1 n1 Mar 53 22
- Hanley, Gerard**, see Fleri, Dominic; *T-MTT* v7 n1 Jan 59 23-27
- Hanlon, L. R.**, see Herczfeld, P. R.; *T-MTT* v21 n2 Feb 73 109-111 (1E07)
- Hansen, Robert C.**; Single slab arbitrary polarization surface wave structure; *T-MTT* v5 n2 Apr 57 115-120
- Hansen, Robert C.**, and Max T. Weiss; Report on advances in microwave theory and techniques—1960; *T-MTT* v9 n4 Jul 61 278-290
- Hansen, W. W.**, see Smith, W. Richard; *T-MTT* v17 n11 Nov 69 1043-1044
- Hanson, D. W.**, and J. J. Rowley; Single-mode cavity maser at 2200 Mc (Corresp.); *T-MTT* v9 n1 Jan 61 97-98
- Hanson, D. W.**; Quasi-optical components using total reflection in dielectrics (Corresp.); *T-MTT* v18 n4 Apr 70 233-234
- Hansson, Bertil**; Hysteresis effects in microwave amplifiers and phase-locked oscillators caused by amplitude-dependent susceptance (Short p.); *T-MTT* v21 n11 Nov 73 739-741 (2D09)
- Hansson, E. R. Bertil**, and K. Gunnar Filipsson; Multiple-frequency operation of Y-junction circulators using single-mode approximation; *T-MTT* v27 n4 Apr 79 322-328 (1C04)
- Hansson, G. H. Bertil**, see Gustafsson, Lennart; *T-MTT* v20 n6 Jun 72 402-409 (2B01)
- Hansson, G. H. Bertil**, and K. Ingemar Lundström; Stability criteria for phase-locked oscillators; *T-MTT* v20 n10 Oct 72 641-645
- Hansson, G. H. Bertil**, see Gustafsson, Lennart; *T-MTT* v21 n1 Jan 73 28-34 (1D06)
- Hansson, G. H. Bertil**, see Gustafsson, Lennart; *T-MTT* v21 n5 May 73 353-355 (1E07)
- Hara, Elmer H.**, and R. Ian MacDonald; A broad-band optoelectronic microwave switch; *T-MTT* v28 n6 Jun 80 662-665
- Hardee, Patrick C.**, see Edrich, Jochen; *T-MTT* v24 n5 May 76 273-275 (1C11)
- Hardy, Walter N.**; Precision temperature reference for microwave radiometry (Short p.); *T-MTT* v21 n3 Mar 73 149-150 (1D07)
- Hardy, Walter N.**, Kenneth W. Gray, and A. W. Love; An S-band radiometer design with high absolute precision; *T-MTT* v22 n4 Apr 74 382-390 (1C04) Comments by Keen, N. J., May 75 456-457
- Hardy, Walter N.**, see Thompson, Edgar J.; *T-MTT* v16 n11 Nov 68 938-943
- Hariu, T.**, see Tomizawa, K.; *T-MTT* v21 n9 Sep 73 596-597 (1D02)
- Harkless, Earl T.**; Avalanche diode application to microwave receivers (Corresp.); *T-MTT* v16 n8 Aug 68 564-565
- Harkless, Earl T.**, and Douglas N. Zuckerman; Multilayer hybrid in circular waveguide; *T-MTT* v27 n12 Dec 79 975-982 (1D09)
- Harmatz, Milton**; Microwave absorption modulation by electron mobility variation in n-type germanium (Corresp.); *T-MTT* v9 n2 Mar 61 199-200
- Haroules, George G.**, and Wilfred E. Brown III; Radiometric measurement of attenuation and emission by the earth's atmosphere at wavelengths from 4 cm to 8 mm; *T-MTT* v16 n9 Sep 68 611-620
- Harp, M. C.**, M. H. Kebby, and E. J. Rudisuhle; Application of compandors to FM radio systems with frequency division multiplexing; *T-MTT* v2 n1 Apr 54 36-40. Addendum, Jul 54 64
- Harper, M. A.**, see Garver, Robert V.; *T-MTT* v6 n4 Oct 58 378-383
- Harrington, J. Benjamin**, see Gerard, Henry M.; *T-MTT* v21 n4 Apr 73 176-186 (1C06)
- Harrington, R. F.**, see Mautz, J. R.; *T-MTT* v26 n1 Jan 78 44-45 (1D04)
- Harrington, Roger F.**, and A. T. Villeneuve; Reciprocity relationships for gyrotropic media; *T-MTT* v6 n3 Jul 58 308-310
- Harrington, Roger F.**; Small resonant scatterers and their use for field measurements; *T-MTT* v10 n3 May 62 165-174
- Harrington, Roger F.**; Field measurements using active scatterers (Corresp.); *T-MTT* v11 n5 Sep 63 454-455
- Harrington, Roger F.**, see Spielman, Barry E.; *T-MTT* v20 n9 Sep 72 578-585 (1C04)
- Harrington, Roger F.**, see Auckland, David T.; *T-MTT* v26 n7 Jul 78 499-505 (1D03)
- Harrington, Roger F.**, see Auckland, David T.; *T-MTT* v28 n6 Jun 80 548-555
- Harris, D. H.**, see Wu, Y. S.; *T-MTT* v23 n6 Jun 75 504-506 (1D04)
- Harris, D. J.**, see Doswell, A.; *T-MTT* v21 n9 Sep 73 587-589 (1C05)
- Harris, D. J.**, see Batt, R. J.; *T-MTT* v22 n12 Dec 74 1089-1094 (2A14)
- Harris, D. J.**, see Batt, R. J.; *T-MTT* v25 n6 Jun 77 488-491 (1C08)
- Harris, D. J.**, K. W. Lee, and J. M. Reeves; Groove- and H-waveguide design and characteristics at short millimetric wavelengths; *T-MTT* v26 n12 Dec 78 998-1001 (1F06)
- Harris, Jay H.**, see Shubert, Richard; *T-MTT* v16 n12 Dec 68 1048-1054
- Harris, Jay H.**, and Richard Shubert; Variable tunneling excitation of optical surface waves; *T-MTT* v19 n3 Mar 71 269-276 (1C01)
- Harris, Jay H.**, see Winn, Robert K.; *T-MTT* v23 n1 Jan 75 92-97 (2A01)
- Harrison, Arthur E.**, see Wall, Robert E., Jr.; *T-MTT* v3 n1 Jan 55 4-10
- Harrison, Gordon R.**, see Taft, Donald R.; *T-MTT* v11 n5 Sep 63 346-350
- Harrison, Gordon R.**, Gerald H. Robinson, Bruce R. Savage, and Donald R. Taft; Ferrimagnetic parts for microwave integrated circuits; *T-MTT* v19 n7 Jul 71 577-588 (1B11)
- Harrison, Gordon R.**, see Rodrigue, G. P.; *T-MTT* v22 n12 Dec 74 1123-1127 (3A05)
- Harrison, Gordon R.**, Guest ed., see Rucker, Charles T., Guest ed.; *T-MTT* v22 n12 Dec 74 1122 (3A04)
- Harrison, Richard I.**, see Berger, Henry; *T-MTT* v18 n2 Feb 70 105-111
- Harrison, Robert G.**; A broad-band frequency divider using microwave varactors; *T-MTT* v25 n12 Dec 77 1055-1059 (2A01)
- Harrison, William H.**; A miniature high-Q bandpass filter employing dielectric resonators; *T-MTT* v16 n4 Apr 68 210-218
- Hartmann, Clinton S.**, DeLamar T. Bell Jr., and Ronald C. Rosenfeld; Impulse model design of acoustic surface-wave filters; *T-MTT* v21 n4 Apr 73 162-175 (1B04)
- Hartmann, Karl**, Willi Kotyczka, and Max J. O. Strutt; Computer-aided determination of the small-signal equivalent network of a bipolar microwave transistor; *T-MTT* v20 n2 Feb 72 120-126 (1D10)
- Hartmann, Karl**, and Max J. O. Strutt; Computer simulation of small-signal and noise behavior of microwave bipolar transistors up to 12 GHz; *T-MTT* v22 n3 Mar 74 178-189 (1B14)
- Hartnagel, H.**, see Tomizawa, K.; *T-MTT* v21 n9 Sep 73 596-597 (1D02)
- Hartnagel, Hans L.**, and Mitsuo Kawashima; Negative TEO-diode conductance by transient measurement and computer simulation; *T-MTT* v21 n7 Jul 73 468-477 (1D10)
- Hartnagel, Hans L.**, see Pavlidis, Dimitrios; *T-MTT* v24 n10 Oct 76 631-640 (1A03)
- Hartnagel, Hans L.**; Plane-wave interaction with structures of thin absorbing films (Short p.); *T-MTT* v28 n6 Jun 80 667-669
- Hartnagel, Hans Ludwig**, see Pavlidis, Dimitrios; *T-MTT* v26 n3 Mar 78 162-169 (1B14)
- Hartop, Rob.**, and Dan A. Bathker; The high-power X-band planetary radar at Goldstone: Design, development, and early results; *T-MTT* v24 n12 Dec 76 958-963 (1E04)
- Hartwick, T. S.**, see Hodges, D. T.; *T-MTT* v22 n12 Dec 74 1118 (1D01)
- Hartwick, Thomas S.**, see Krupke, William F.; *T-MTT* v9 n6 Nov 61 472-480
- Hartwig, Curtis P.**, see Pucel, Robert A.; *T-MTT* v16 n6 Jun 68 342-350. Correction, Dec 68 1064
- Harvey, A. F.**; Mechanical design and manufacture of microwave structures; *T-MTT* v7 n4 Oct 59 402-422
- Harvey, A. F.**; Periodic and guiding structures at microwave frequencies; *T-MTT* v8 n1 Jan 60 30-61
- Harvey, A. F.**; Duplexing systems at microwave frequencies; *T-MTT* v8 n4 Jul 60 415-431
- Hasegawa, Hideki**, Mieko Furukawa, and Hisayoshi Yanai; Properties of microstrip line on Si-SiO₂ system; *T-MTT* v19 n11 Nov 71 869-881 (1D05)
- Hashiguchi, Sumihisa**, and Takanori Okoshi; Determination of equivalent circuit parameters describing noise from a Gunn oscillator; *T-MTT* v19 n8 Aug 71 686-691 (1C04)
- Hashima, Akio**, see Makino, Toshihiko; *T-MTT* v27 n7 Jul 79 633-638 (1A07)
- Hashimoto, Kunio**, see Koyama, Masaki; *T-MTT* v23 n7 Jul 75 561-565 (1B09)
- Hashimoto, Kunio**; Circular TE_{0n} in mode filters for guided millimeter-wave transmission; *T-MTT* v24 n1 Jan 76 25-31 (1B13)
- Hashimoto, Masahiro**, and Kazuo Fujisawa; Considerations on matrix methods and estimation of their errors; *T-MTT* v18 n7 Jul 70 352-359
- Hashimoto, Masahiro**, and Kazuo Fujisawa; Field description with spatial complex variables and its application to scattering and waveguide problems; *T-MTT* v19 n5 May 71 458-474 (1E02)
- Hashimoto, Masahiro**; Propagation of cladded inhomogeneous dielectric waveguides; *T-MTT* v24 n7 Jul 76 404-409 (1A14)
- Hashimoto, Masahiro**; A perturbation method for the analysis of wave propagation in inhomogeneous dielectric waveguides with perturbed media; *T-MTT* v24 n9 Sep 76 559-566 (1B01)
- Hashimoto, Masahiro**, Shojiro Nemoto, and Toshio Makimoto; Analysis of guided waves along the cladded optical fiber: Parabolic-index core and homogeneous cladding; *T-MTT* v25 n1 Jan 77 11-17 (1A13)
- Hashimoto, Osamu**, see Yamashita, Eikichi; *T-MTT* v27 n4 Apr 79 352-356 (1E06)
- Hashimoto, Tadashi**, see Miura, Taro; *T-MTT* v22 n1 Jan 74 71-72 (1F04)
- Hashimoto, Tsutomu**, see Takeichi, Yoshihiro; *T-MTT* v19 n12 Dec 71 947-950 (1F07)
- Haskal, Haim**; Matrix description of waveguide discontinuities in the presence of evanescent modes; *T-MTT* v12 n2 Mar 64 184-188
- Haskal, Haim M.**, see Findakly, Talal K.; *T-MTT* v24 n1 Jan 76 39-43 (1C13)
- Hast, Charles T.**, see Jacobi, John H.; *T-MTT* v27 n1 Jan 79 70-78 (1F02)
- Hasted, John B.**, see Chamberlain, John; *T-MTT* v22 n12 Dec 74 1028-1032 (1D08)
- Hata, Masayasu**, Atsushi Fukasawa, Masaharu Besho, Shoji Makino, and Michio Higuchi; A 40-GHz digital distribution radio with a single oscillator; *T-MTT* v28 n9 Sep 80 951-962
- Hatano, Satomi**, and Fumihiro Nihei; Measurement of surface resistance in oversized circular waveguide at millimeter wavelengths (Corresp.); *T-MTT* v24 n11 Nov 76 886-887 (3C06)
- Hatkin, Leonard**, see Jacobs, Harold; *T-MTT* v12 n2 Mar 64 163-170
- Hatsuda, Takeshi**, and Tadashi Matsumoto; Computation of impedance of partially filled and slotted coaxial line (Corresp.); *T-MTT* v15 n11 Nov 67 643-644
- Hatsuda, Takeshi**; Computation of the characteristics of coplanar-type strip lines by the relaxation method (Short p.); *T-MTT* v20 n6 Jun 72 413-416 (2B12)
- Hatsuda, Takeshi**; Computation of coplanar-type strip-line characteristics by relaxation method and its application to microwave circuits; *T-MTT* v23 n10 Oct 75 795-802 (1B03)
- Hauge, Peter S.**, and Keith S. Champlin; Dual-mode reflectometer for measuring microwave magnetic Kerr effect in semiconductors; *T-MTT* v15 n7 Jul 67 406-410
- Haun, Robert D., Jr.**; Summary of measurement techniques of parametric amplifier and mixer noise figure; *T-MTT* v8 n4 Jul 60 410-415
- Haus, Hermann A.**; Power-flow relations in lossless nonlinear media; *T-MTT* v6 n3 Jul 58 317-324
- Haus, Hermann A.**, Hermann Statz, and Robert A. Pucel; Optimum noise measure of IMPATT diodes; *T-MTT* v19 n10 Oct 71 801-813 (1B11)
- Haus, Hermann A.**, see Glasser, Lance A.; *T-MTT* v26 n2 Feb 78 62-69 (1B02)
- Havemann, R. H.**, and Lionel E. Davis; Conductivity and the microwave properties of 81-permalloy thin films (Corresp.); *T-MTT* v19 n1 Jan 71 113-116 (3B02)
- Hawkins, Phillip W.**, see Yarrington, Larry I.; *T-MTT* v21 n11 Nov 73 728-730 (2C10)
- Hayami, Richard A.**, see Primich, Robin I.; *T-MTT* v12 n1 Jan 64 33-42
- Hayashi, Risao**, and Yasushi Asano; High effective subharmonic injection locking of a millimeter-wave IMPATT oscillator; *T-MTT* v27 n5 May 79 500-504 (2C13)
- Hayashi, Tatsuro**, see Takao, Iwao; *T-MTT* v17 n2 Feb 69 107-113
- Hayashi, Yoshio**, see Kitazawa, Toshihide; *T-MTT* v21 n9 Sep 73 580-582 (1B10)
- Hayashi, Yoshio**, see Kitazawa, Toshihide; *T-MTT* v24 n9 Sep 76 604-608 (1E04)
- Hayashi, Yoshio**, see Kitazawa, Toshihide; *T-MTT* v28 n4 Apr 80 387-392
- Hayasi, Syuiti**, and Teruo Kurokawa; A balanced-type parametric amplifier; *T-MTT* v10 n3 May 62 185-190
- Hayes, R. E.**; Higher order modes in coupled helices (Corresp.); *T-MTT* v8 n1 Jan 60 119-120
- Hayt, William H., Jr.**; The mutual and input impedance of strips between parallel planes; *T-MTT* v3 n2 Mar 55 114-118
- Hayt, William H., Jr.**; Potential solution of a homogeneous strip-line of finite width; *T-MTT* v3 n4 Jul 55 16-18
- Hazel, Terence George**, and Alvin Wexler; Variational formulation of the Dirichlet boundary condition; *T-MTT* v20 n6 Jun 72 385-390 (1E03) Comments by Coen, S., Sep 73 597-598
- Heath, K. R.**, see Tearle, C. A.; *T-MTT* v23 n12 Dec 75 1036-1042 (2A01)
- Hebert, A. Sidney**, see Itoh, Tatsuo; *T-MTT* v26 n12 Dec 78 987-991 (1E09)
- Hebert, Albert Sidney**, see Itoh, Tatsuo; *T-MTT* v26 n10 Oct 78 820-827 (2B12)

- Hecken, Rudolph P.; A near-optimum matching section without discontinuities; *T-MTT v20 n11 Nov 72* 734-739 (1C10)
- Hecken, Rudolph P., and Alfredo Anuff; On the optimum design of tapered waveguide transitions; *T-MTT v21 n6 Jun 73* 374-380 (1B08)
- Heckman, L. F., see Bailey, R. L.; *T-MTT v17 n12 Dec 69* 1154-1156
- Hedström, Thomas, see Ekinge, Roland; *T-MTT v18 n9 Sep 70* 661-662
- Heeren, R. G., and Jack R. Baird; An inhomogeneously filled rectangular waveguide capable of supporting TEM propagation (Corresp.); *T-MTT v19 n11 Nov 71* 884-885 (1E08)
- Heffner, H.; Capacitance definitions for parametric operation (Corresp.); *T-MTT v9 n1 Jan 61* 98-99
- Heffner, Hubert; Solid-state microwave amplifiers; *T-MTT v7 n1 Jan 59* 83-91
- Hefni, I., and W. C. Barnes; A stability criterion for tunnel diode amplifier (Corresp.); *T-MTT v15 n7 Jul 67* 427-429
- Hegyi, I. J., see Norton, L. E.; *T-MTT v16 n7 Jul 68* 480-481
- Heim, D. S., see Sharpe, C. B.; *T-MTT v6 n1 Jan 58* 42-46
- Heimenrath, Y., see Kopeika, N. S.; *T-MTT v23 n10 Oct 75* 843-845 (1E09)
- Heimer, Glenn M., see Glaser, Zorach R.; *T-MTT v19 n2 Feb 71* 232-238 (3B01)
- Heinzman, Charles P., see Mariani, Elio A.; *T-MTT v17 n12 Dec 69* 1091-1096
- Heiter, George L.; Characterization of nonlinearities in microwave devices and systems; *T-MTT v21 n12 Dec 73* 797-805 (2B07)
- Held, Daniel N., and Anthony R. Kerr; Conversion loss and noise of microwave and millimeter-wave mixers: Part 1—Theory; *T-MTT v26 n2 Feb 78* 49-55 (1A03)
- Held, Daniel N., and Anthony R. Kerr; Conversion loss and noise of microwave and millimeter-wave mixers: Part 2—Experiment; *T-MTT v26 n2 Feb 78* 55-61 (1A09)
- Held, Gedaliah, see Tyras, George; *T-MTT v6 n3 Jul 58* 268-277
- Helgeson, Alan L., see Vartanian, P. H.; *T-MTT v6 n2 Apr 58* 215-222
- Heller, G. S., see Chen, C.-H.; *T-MTT v22 n12 Dec 74* 1119 (2D02)
- Heller, Gerald S., and George W. Catuna; Measurement of ferrite isolation at 1300 mc; *T-MTT v6 n1 Jan 58* 97-100
- Heller, Gerald S., see Bolle, Donald M.; *T-MTT v13 n4 Jul 65* 421-426
- Hellman, Martin E., and István Palócz; The effect of neighboring conductors on the currents and fields in plane parallel transmission lines; *T-MTT v17 n5 May 69* 254-259
- Helmer, J. C., and Marcel W. Muller; Calculation and measurement of the noise figure of a maser amplifier; *T-MTT v6 n2 Apr 58* 210-214
- Helszajn, J.; Note on tetrahedral junction (Corresp.); *T-MTT v13 n1 Jan 65* 132-133
- Helszajn, J., and M. McDermott; The junction inductance of a lumped-constant circulator (Corresp.); *T-MTT v18 n1 Jan 70* 50-52
- Helszajn, J., see Tan, F. C. F.; *T-MTT v24 n5 May 76* 271-273 (1C09)
- Helszajn, J., Reinhard D. Baars, and W. Terence Nisbet; Characteristics of circulators using planar triangular and disk resonators symmetrically loaded with magnetic ridges; *T-MTT v28 n6 Jun 80* 616-621
- Helszajn, Joseph, and John McStay; Parallel pumping in hexagonal ferrites with the dc field off the easy plane; *T-MTT v18 n9 Sep 70* 518-524
- Helszajn, Joseph; The adjustment of the *m*-port single-junction circulator; *T-MTT v18 n10 Oct 70* 705-711
- Helszajn, Joseph, D. Walker, and F. M. Aitken; Varactor-tuned lumped-element circulators (Corresp.); *T-MTT v19 n10 Oct 71* 825-826 (1D11)
- Helszajn, Joseph, and M. McDermott; Mode chart for *E*-plane circulators (Corresp.); *T-MTT v20 n2 Feb 72* 187-188 (2E09)
- Helszajn, Joseph, and John McStay; First-order nonlinear theory in hexagonal ferrites with planar anisotropy under perpendicular pumping; *T-MTT v20 n7 Jul 72* 437-446 (1C03)
- Helszajn, Joseph; The synthesis of quarter-wave coupled circulators with Chebyshev characteristics (Short p.); *T-MTT v20 n11 Nov 72* 764-769 (1F04)
- Helszajn, Joseph; Dissipation and scattering matrices of lossy junctions (Short p.); *T-MTT v20 n11 Nov 72* 779-782 (2B10)
- Comments by Schwartz, E., Jan 74 75
- Helszajn, Joseph; Microwave measurement techniques for below-resonance junction circulators (Short p.); *T-MTT v21 n5 May 73* 347-351 (1E07)
- Helszajn, Joseph; Frequency response of quarter-wave coupled reciprocal stripline junctions; *T-MTT v21 n8 Aug 73* 533-537 (1D07)
- Helszajn, Joseph; Waveguide and stripline 4-port single-junction circulators (Short p.); *T-MTT v21 n10 Oct 73* 630-633 (1D08)
- Helszajn, Joseph; Composite-junction circulators using ferrite disks and dielectric rings; *T-MTT v22 n4 Apr 74* 400-410 (1D08)
- Helszajn, Joseph, and Francis C. Tan; Design data for radial-waveguide circulators using partial-height ferrite resonators; *T-MTT v23 n3 Mar 75* 288-298 (1B08)
- Helszajn, Joseph; Scattering matrices of junction circulator with Chebyshev characteristics; *T-MTT v23 n7 Jul 75* 548-554 (1A10)
- Helszajn, Joseph, Gordon P. Riblet, and J. R. Mather; Insertion loss of 3-port circulator with one port terminated in variable short circuit (Short p.); *T-MTT v23 n11 Nov 75* 926-927 (1F06)
- Helszajn, Joseph, Robert W. Murray, E. G. S. Davidson, and Robert A. Suttie; Waveguide subsidiary resonance ferrite limiters; *T-MTT v25 n3 Mar 77* 190-196 (1B10)
- Helszajn, Joseph, and David S. James; Planar triangular resonators with magnetic walls; *T-MTT v26 n2 Feb 78* 95-100 (1D07)
- Helszajn, Joseph, and P. N. Walker; Operation of high peak power differential phase shift circulators at direct magnetic fields between subsidiary and main resonances; *T-MTT v26 n9 Sep 78* 653-658 (1B13)
- Helszajn, Joseph, David S. James, and W. Terence Nisbet; Circulators using planar triangular resonators; *T-MTT v27 n2 Feb 79* 188-193 (2A01)
- Henaux, J. C., see Vernet, G.; *T-MTT v25 n6 Jun 77* 473-476 (1B07)
- Hendry, Archibald, see Anderson, Lawrence K.; *T-MTT v6 n4 Oct 58* 393-398
- Heng, T. M. S.; Trimming of microstrip circuits utilizing microcantilever air gaps (Corresp.); *T-MTT v19 n7 Jul 71* 652-654 (2D07)
- Heng, Terrence M. S., see Oakes, James G.; *T-MTT v24 n6 Jun 76* 305-311 (1C03)
- Henning, Rudolf E.; The 1979 MTT-S International Microwave Symposium; *T-MTT v27 n12 Dec 79* 928-935 (1A04)
- Henningsen, J. O., and H. G. Jensen; Rate equations for an optically pumped FIR laser (SUBMIT 74 Abstr.); *T-MTT v22 n12 Dec 74* 1119 (2D02)
- Henoch, B., and Y. Kvaerna; Stability criteria for tunnel-diode amplifiers (Corresp.); *T-MTT v10 n5 Sep 62* 397-398
- Henoch, Bengt T.; A new method for designing wide-band parametric amplifiers; *T-MTT v11 n1 Jan 63* 62-72
- Henoch, Bengt T.; An S-band wide-band degenerate parametric amplifier (Corresp.); *T-MTT v11 n5 Sep 63* 449
- Henoch, Bengt T., and Peter Tamm; A 360 reflection-type diode phase modulator (Corresp.); *T-MTT v19 n1 Jan 71* 103-105 (2E11)
- Henry, Paul, Bernard S. Glance, and M. V. Schneider; Local-oscillator noise cancellation in the subharmonically pumped down-converter (Short p.); *T-MTT v24 n5 May 76* 254-257 (1B06)
- Henry, Paul S., and Joseph T. Ruscio; A low-loss diffraction grating frequency multiplexer; *T-MTT v26 n6 Jun 78* 428-433 (1D08)
- Henschke, Richard A.; Exploratory study of a millimeter resonance isolator for the circular electric waveguide mode; *T-MTT v12 n4 Jul 64* 392-400
- Hensel, Marion L., and Erich O. Schulz-DuBois; Matching into band-pass transmission structures; *T-MTT v12 n3 May 64* 309-315
- Hensperger, Edward S.; Broad-band stepped transformers from rectangular to double-ridged waveguide; *T-MTT v6 n3 Jul 58* 311-314
- Herbst, H., and A. Ataman; *Q*-dependence of Gunn oscillator FM noise (Short p.); *T-MTT v21 n2 Feb 73* 114-115
- Herczfeld, P. R., and L. R. Hanlon; Dc and microwave-biased photoconductive response in CdS crystals (Short p.); *T-MTT v21 n2 Feb 73* 109-111 (1E07)
- Hering, Karl H.; A novel design of an X-band high-power ferrite phase shifter (Short p.); *T-MTT v20 n4 Apr 72* 284-286 (1E06)
- Herman, H., see Duxbury, G.; *T-MTT v22 n12 Dec 74* 1108-1109 (2C05)
- Herman, William A., see Bassen, Howard I.; *T-MTT v25 n8 Aug 77* 701-706 (1F03)
- Herndon, M., see Granatstein, Victor L.; *T-MTT v22 n12 Dec 74* 1000-1005 (1B08)
- Herrrell, Dennis J., see Arnett, Patrick C.; *T-MTT v28 n5 May 80* 500-508
- Herrick, D. L., and J. C. Field; NOVA (Network optimization via adjoints) (Computer program descr.); *T-MTT v23 n10 Oct 75* 849-850 (1F01)
- Hersberger, W. D., see Mackey, R. C.; *T-MTT v1 n2 Nov 53* 3-10
- Hersberger, W. D.; Proposed experiment for eliciting multiple resonances from the ionosphere (Corresp.); *T-MTT v10 n5 Sep 62* 396-397
- Hersberger, W. D., see Kuno, H. J.; *T-MTT v15 n1 Jan 67* 57-58
- Hersberger, W. D., see Kuno, Hiromu J.; *T-MTT v15 n12 Dec 79* 1075-1078
- Hersberger, W. D., see Kuno, H. J.; *T-MTT v16 n10 Oct 68* 895
- Hersberger, W. D.; Microwave transmission through normal and tumor cells; *T-MTT v26 n8 Aug 78* 618-619 (2A06)
- Hersberger, W. Delmar, see Mackey, Richard C.; *T-MTT v5 n1 Jan 57* 64-68
- Hershenov, B.; Microstrip junction circulator for microwave integrated circuits (Corresp.); *T-MTT v15 n12 Dec 76* 748-750
- Hershenov, Bernard, see Caulton, Martin; *T-MTT v19 n7 Jul 71* 588-599 (1C10)
- Hershenov, S., see Boxer, A. S.; *T-MTT v9 n6 Nov 61* 577
- Herskowitz, Gerald J., see Nevarez, Joseph R.; *T-MTT v17 n1 Jan 69* 2-10
- Hess, Ricky D., see Niehenke, Edward C.; *T-MTT v27 n12 Dec 79* 1075-1079 (2D12)
- Hessel, A., see Blank, S. J.; *T-MTT v12 n1 Jan 64* 146-147
- Hessel, Alexander, and Arthur A. Oliner; Wave propagation in a medium with a progressive sinusoidal disturbance; *T-MTT v9 n4 Jul 61* 337-343
- Hessel, Alexander, see Lewis, Lawrence R.; *T-MTT v19 n3 Mar 71* 276-286 (1C08)
- Heurtley, J. C., and W. Streifer; On mode losses in confocal resonator and transmission systems (Corresp.); *T-MTT v13 n5 Sep 65* 711-712
- Hewitt, Harry S.; A computer designed, 720 to 1 microwave compression filter; *T-MTT v15 n12 Dec 67* 687-694
- Hicinbotham, W. A., Jr., see Larrabee, Robert D.; *T-MTT v15 n6 Jun 67* 382-384
- Hickernell, F. S., A. J. Kline, D. E. Allen, and W. C. Brown; Surface elastic wave bandpass filters for frequency synthesis (Short p.); *T-MTT v21 n4 Apr 73* 300-302 (3D05)
- Hickernell, Fred S.; Piezoelectric semiconductor acoustic delay lines; *T-MTT v17 n11 Nov 69* 957-963
- Hidaka, Takehiko; Computer-aided renormalized perturbation method for the inhomogeneously loaded waveguide (Corresp.); *T-MTT v20 n2 Feb 72* 180-181 (2E02)
- Hidaka, Takehiko, see Yamaura, Itsuo; *T-MTT v23 n3 Mar 75* 316-317 (1D08)
- Hieber, A. L., and R. J. Vernon; Matching considerations of lossless reciprocal 5-port waveguide junctions (Short p.); *T-MTT v21 n8 Aug 73* 547-552 (2B05)
- Hierl, T. L., see de Koning, J. G.; *T-MTT v25 n2 Feb 77* 152-155 (1F02)
- Higa, W., see Clauss, R. C.; *T-MTT v12 n6 Nov 64* 619-620
- Higa, W. H.; Noise performance of traveling-wave masers (Corresp.); *T-MTT v12 n1 Jan 64* 139
- Higa, Walter, see Levy, Gerald S.; *T-MTT v16 n9 Sep 68* 596-602
- Higashisaka, Asamitsu, see Abe, Hiroyuki; *T-MTT v26 n3 Mar 78* 156-162 (1B08)
- Higashisaka, Asamitsu, see Honjo, Kazuhiko; *T-MTT v27 n1 Jan 79* 3-8 (1A05)
- Higgins, E. L., see Sparks, R. A.; *T-MTT v13 n6 Nov 65* 879-880
- Higgins, Ian D., and Robert Davies; An analytical comparison of two simple high-*Q* Gunn oscillators (Short p.); *T-MTT v25 n5 May 77* 412-416 (1F02)
- Higgins, Ian David, see Aitchison, Colin S.; *T-MTT v19 n12 Dec 71* 928-937 (1D12)
- Higgins, J. A., and Reidar L. Kuvás; Analysis and improvement of intermodulation distortion in GaAs power FETs; *T-MTT v28 n1 Jan 80* 9-17
- Higgins, Thomas J., see Black, Kenneth G.; *T-MTT v3 n2 Mar 55* 93-113
- Higgins, V. J.; Semiconductor switching and limiting using 3-db short-slot (hybrid) couplers (Corresp.); *T-MTT v12 n2 Mar 64* 258-259
- Higgins, Vincent J., see Baranowski, Joseph J.; *T-MTT v15 n12 Dec 67* 754-755
- Higuchi, Michio, see Hata, Masayasu; *T-MTT v28 n9 Sep 80* 951-962
- Hilberg, Wolfgang; From approximations to exact relations for characteristic impedances; *T-MTT v17 n5 May 69* 259-265
- Hill, D. A., see Wait, James R.; *T-MTT v25 n1 Jan 77* 72-74 (1F04)
- Hill, David A., see Wait, James R.; *T-MTT v23 n5 May 75* 401-405 (1A03)
- Hill, David A., and James R. Wait; Propagation along a braided coaxial cable located close to a tunnel wall (Short p.); *T-MTT v24 n7 Jul 76* 476-480 (2B07)
- Hill, David A., and James R. Wait; Propagation along a coaxial cable with a helical shield; *T-MTT v28 n2 Feb 80* 84-89
- Hill, David A., and James R. Wait; Electromagnetic theory of the loosely braided coaxial cable: II—Numerical results; *T-MTT v28 n4 Apr 80* 326-331
- Hill, G. N., see Cox, N. W.; *T-MTT v22 n12 Dec 74* 1325-1328 (5D03)
- Hill, G. N., see Rucker, C. T.; *T-MTT v25 n1 Jan 77* 75-76 (1F07)
- Hill, G. N., see Rucker, Charles T.; *T-MTT v27 n12 Dec 79* 951-957 (1B13)
- Hill, James L., and David Mathews; Transient analysis of systems with exponential transmission lines; *T-MTT v25 n9 Sep 77* 777-783 (1E05)
- Hill, Robert M., see Tetenbaum, Sidney J.; *T-MTT v7 n1 Jan 59* 73-82
- Hill, Robert M., and Stephen K. Ichiki; Microwave switching with low-pressure arc discharge; *T-MTT v8 n6 Nov 60* 628-633
- Hinckelmann, Otto F.; A graphical method for transforming impedances and reflectances through a lossy twoport; *T-MTT v10 n2 Mar 62* 139-141
- Hinckelmann, Otto F., see Taub, Jesse J.; *T-MTT v11 n5 Sep 63* 338-345
- Hinderks, Larry W., see Seip, Barry S.; *T-MTT v22 n10 Oct 74* 873-878 (1B13)
- Hindin, H. J., and J. J. Taub; Oversize waveguide directional coupler (Corresp.); *T-MTT v10 n5 Sep 62* 394-395

- Hindin, H. J., see Taub, J. J.; *T-MTT* v12 n6 Nov 64 618-619
- Hindin, H. J., and J. J. Taub; Design of TEM equal stub admittance filters (Corresp.); *T-MTT* v15 n9 Sep 67 525-528
- Hindin, Harvey J., see Taub, Jesse J.; *T-MTT* v11 n5 Sep 63 338-345
- Hindin, Harvey J.; Standing-wave ratio of binary TEM power dividers (Corresp.); *T-MTT* v16 n2 Feb 68 123-125
- Hindin, Harvey J., and Allen Rosenzweig; 3-dB couplers constructed from two tandem connected 8.34-dB asymmetric couplers (Corresp.); *T-MTT* v16 n2 Feb 68 125-126
- Hindin, Harvey J.; Input VSWR and output isolation of lossy N -way hybrid power dividers (Corresp.); *T-MTT* v16 n3 Mar 68 199-201
- Hindin, Harvey J.; Insertion loss versus normalized frequency curves for Mumford's maximally flat filter (Corresp.); *T-MTT* v16 n5 May 68 316-318
- Hindin, Harvey J.; Scattering parameters of binary power dividers (Corresp.); *T-MTT* v16 n8 Aug 68 568-569
- Hindin, Harvey J.; A relationship between the scattering parameters of a passive lossy nonreciprocal two-port (Corresp.); *T-MTT* v19 n9 Sep 71 781 (1E07)
- Comments by Glaser, J. L.; *Mar* 73 135-136
- Hines, M. E., see Anderson, William W.; *T-MTT* v9 n1 Jan 61 63-67
- Hines, M. E., Jean-Claude R. Colinet, and John G. Ondria; FM noise suppression of an injection phase-locked oscillator; *T-MTT* v16 n9 Sep 68 738-742
- Hines, M. E.; Evaluation of MTT Transactions (1976) (Ltr.); *T-MTT* v25 n3 Mar 77 233-235 (1E11)
- Hines, Marion E., and Kungta K. Chow; Phase shifter in C -, X -, and Ku -bands using segregated-mode resonance in single crystal YIG (Corresp.); *T-MTT* v15 n3 Mar 67 181-183
- Hines, Marion E.; Reciprocal and nonreciprocal modes of propagation in ferrite stripline and microstrip devices; *T-MTT* v19 n5 May 71 442-451 (1C10)
- Hines, Marion E., and Harold E. Stinehelfer Sr.; Time-domain oscillographic microwave network analysis using frequency-domain data; *T-MTT* v22 n3 Mar 74 276-282 (2B14)
- Hines, Marion E., Ronald S. Posner, and Allen A. Sweet; Power amplification of microwave FM communication signals using a phase-locked voltage-tuned oscillator; *T-MTT* v24 n7 Jul 76 393-404 (1A03)
- Hines, Marion E.; Guest ed.; Foreword: Special issue on solid-state microwave power amplifiers; *T-MTT* v21 n11 Nov 73 657-659 (1B03)
- Hinken, Johann H.; Conducting spheres in rectangular waveguides; *T-MTT* v28 n7 Jul 80 711-714
- Hinte, A. Fred, see Rubinstein, Irving; *T-MTT* v17 n12 Dec 69 1108-1115
- Hinton, J. H.; On design of coupled microstrip lines (Ltr.); *T-MTT* v28 n3 Mar 80 272
- Hirachi, Yasutake, Takakiyo Nakagawa, Yoshikazu Toyama, and Yukio Fukukawa; High-power 50-GHz double-drift-region IMPATT oscillators with improved bias circuits for eliminating low-frequency instabilities; *T-MTT* v24 n11 Nov 76 731-737 (1D09)
- Hirano, Junzo, and Haruo Yoshikiyo; Transmission bandwidth of a lens waveguide with a curved axis; *T-MTT* v18 n7 Jul 70 373-376
- Hirano, Kotaro, and Seiichi Kanema; Matrix representations of noise figures and noise figure charts in terms of power wave variables; *T-MTT* v16 n9 Sep 68 692-699
- Hirayama, Masahiro, see Takada, Tohru; *T-MTT* v26 n10 Oct 78 733-737 (1C03)
- Hirayama, Masahiro, see Araki, Tohru; *T-MTT* v19 n7 Jul 71 638-643 (2C05)
- Hirota, Ryogo, and Kimio Suzuki; Field distribution in a magnetoplasma-loaded waveguide at room temperature; *T-MTT* v18 n4 Apr 70 188-195
- Hirotsu, Hikaru, see Shimada, Sadakuni; *T-MTT* v18 n1 Jan 70 61-62
- Hirshfield, J. L., and V. L. Granatstein; The electron cyclotron maser—An historical survey; *T-MTT* v25 n6 Jun 77 522-527 (1E14)
- Hislop, Alfred R., and R. T. Kihm; A broad-band 40–60-GHz balanced mixer (Ltr.); *T-MTT* v24 n1 Jan 76 63-64 (1E09)
- Hitchens, William R., see Niclas, Karl B.; *T-MTT* v28 n3 Mar 80 172-179
- Hitchens, William R., see Niclas, Karl B.; *T-MTT* v28 n4 Apr 80 285-294
- Hizal, Altunkan, and Yahya Kemal Baykal; Heat potential distribution in an inhomogeneous spherical model of a cranial structure exposed to microwaves due to loop or dipole antennas; *T-MTT* v26 n8 Aug 78 607-612 (1G09)
- Ho, Chen Y.; Analysis of dc blocks using coupled lines (Ltr.); *T-MTT* v23 n9 Sep 75 773-774 (1D13)
- Ho, Henry S., Arthur W. Guy, Rubens A. Sigelmann, and Justus F. Lehmann; Microwave heating of simulated human limbs by aperture sources; *T-MTT* v19 n2 Feb 71 224-231 (2E11)
- Ho, Henry S., Edward I. Ginns, and Christopher L. Christman; Environmentally controlled waveguide irradiation facility (Short p.); *T-MTT* v21 n12 Dec 73 837-840 (3B04)
- Ho, Henry S., see Christman, Christopher L.; *T-MTT* v22 n12 Dec 74 1267-1272 (4E10)
- Ho, Henry S., see Edwards, William P.; *T-MTT* v23 n3 Mar 75 311-313 (1D03)
- Ho, Henry S., Gary J. Hagan, and Mark R. Foster; Microwave irradiation design using dielectric lenses (Short p.); *T-MTT* v23 n12 Dec 75 1058-1061 (2B09)
- Ho, Irving T., and Anthony E. Siegman; Passive phase-distortionless parametric limiting with varactor diodes; *T-MTT* v9 n6 Nov 61 459-472
- Ho, Nelson, see Dobratz, Burton E.; *T-MTT* v28 n5 May 80 486-490
- Ho, R. Y. C., and A. J. Bahr; Active impedance matching for microwave acoustic delay lines (Corresp.); *T-MTT* v17 n11 Nov 69 1041-1042
- Ho, Raymond Y. C., see Adams, David K.; *T-MTT* v17 n9 Sep 69 662-670
- Hobdell, John L.; Optimization of interdigital capacitors; *T-MTT* v27 n9 Sep 79 788-791 (1B08)
- Hobson, G. S., see Tozer, R. C.; *T-MTT* v22 n8 Aug 74 806-808 (1D10)
- Hodges, D. T., and T. S. Hartwick; FIR waveguide laser performance in the 40- μ m-1-mm spectral region (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1118 (1D01)
- Hodges, Dean T., see McColl, Malcolm; *T-MTT* v25 n6 Jun 77 463-467 (1A11)
- Hodges, L. R., Jr., see Taft, Donald R.; *T-MTT* v11 n5 Sep 63 346-350
- Hoefler, Wolfgang J. R., and Asoknath Chattopadhyay; Evaluation of the equivalent circuit parameters of microstrip discontinuities through perturbation of a resonant ring (Short p.); *T-MTT* v23 n12 Dec 75 1067-1071 (2C04)
- Hoefler, Wolfgang J. R., see James, David S.; *T-MTT* v25 n5 May 77 392-398 (1D10)
- Hoefler, Wolfgang J. R.; Equivalent series inductivity of a narrow transverse slit in microstrip; *T-MTT* v25 n10 Oct 77 822-825 (1B04)
- Hoefler, Wolfgang J. R., see Shih, Yi-Chi; *T-MTT* v28 n7 Jul 80 743-746
- Hoefler, Wolfgang J. R., see Shih, Yi-Chi; *T-MTT* v28 n12 Dec 80 1443-1448
- Hoer, Cletus A., and Keith C. Roe; Using an arbitrary six-port junction to measure complex voltage ratios; *T-MTT* v23 n12 Dec 75 978-984 (1C12)
- Hoer, Cletus A.; A network analyzer incorporating two six-port reflectometers; *T-MTT* v25 n12 Dec 77 1070-1074 (2B02)
- Hoer, Cletus A., see Engen, Glenn F.; *T-MTT* v27 n12 Dec 79 987-993 (1E07)
- Hoer, Cletus A.; Performance of a dual six-port automatic network analyzer; *T-MTT* v27 n12 Dec 79 993-998 (1E13)
- Hoffer, G. L., see Clarke, J.; *T-MTT* v22 n12 Dec 74 1118-1119 (2D01)
- Hoffins, Cordell C., and Koryu Ishii; Conditions of oscillation for waveguide mounted tunnel diodes; *T-MTT* v12 n2 Mar 64 176-183
- Hoffman, G., and H. Vanooteghem; DISFIL—A computer program for the optimum synthesis of TEM transmission-line filters (Computer program descr.); *T-MTT* v20 n10 Oct 72 709-710 (2C09)
- Hoffman, G. R., and A. A. Willem; An improved method for measuring scattering parameters of nonreciprocal two-ports (Corresp.); *T-MTT* v15 n2 Feb 67 131-133
- Comments; *T-MTT* v16 n4 Apr 68 261-262
- Hoffman, LaRue A., Keith H. Hurlbut, Dale E. Kind, and Herbert J. Wintroub; A 94-GHz radar for space object identification; *T-MTT* v17 n12 Dec 69 1145-1149
- Hoffman, W. F., see Opp, Francis L.; *T-MTT* v16 n7 Jul 68 462-468
- Hoffmann, M., and G. Mörlor; DICOSY (Directional coupler synthesis) (Computer program descr.); *T-MTT* v22 n1 Jan 74 77 (1F09)
- Hoffmann, Reinmut, see Toussaint, Hans-Norbert; *T-MTT* v19 n7 Jul 71 657-659 (2D12)
- Hoffspiegel, Judith N., see Nagelberg, Elliott R.; *T-MTT* v15 n3 Mar 67 187-189
- Hogan, C. Lester, see Pippin, John E.; *T-MTT* v6 n1 Jan 58 77-82
- Hogan, C. Lester, see Rodrigue, G. P.; *T-MTT* v6 n1 Jan 58 83-91
- Hogan, Clarence Lester; The pace of modern technology; *T-MTT* v6 n1 Jan 58 2-3
- Hogg, D. C., see Arnaud, Jacques A.; *T-MTT* v20 n5 May 72 344-353 (1F03)
- Hogg, Harold A., see Williams, Colin B.; *T-MTT* v13 n6 Nov 65 806-814
- Holah, G. D.; Interference filters for submillimeter space projects (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1117 (2C14)
- Holden, Russell L., see Burns, Richard W.; *T-MTT* v22 n6 Jun 74 675-688 (2A01)
- Holliman, Albert Louis, see Johnson, R. C.; *T-MTT* v8 n5 Sep 60 532-537
- Hollinger, James P., James E. Kenney, and Ballard E. Troy Jr.; A versatile millimeter-wave imaging system; *T-MTT* v24 n11 Nov 76 786-793 (2B05)
- Hollis, John Searcy, see Johnson, R. C.; *T-MTT* v8 n5 Sep 60 532-537
- Hollis, Mark A., Carl F. Blackman, Claude M. Weil, John W. Allis, and Daniel J. Schaefer; A swept-frequency magnitude method for the dielectric characterization of chemical and biological systems; *T-MTT* v28 n7 Jul 80 791-801
- Hollway, D. L.; The comparison reflectometer; *T-MTT* v15 n4 Apr 67 250-259
- Hollway, D. L., see Somlo, P. I.; *T-MTT* v16 n9 Sep 68 664-669. Correction, Mar 69 174
- Hollway, D. L., and P. I. Somlo; A high-resolution swept-frequency reflectometer; *T-MTT* v17 n4 Apr 69 185-188
- Hollway, D. L., see Somlo, P. I.; *T-MTT* v20 n8 Aug 72 532-537 (1E06)
- Hollway, D. L., and Peter I. Somlo; The match checker—A simple instrument for matching impedances in waveguide and coaxial systems (Short p.); *T-MTT* v22 n5 May 74 560-561 (2B05)
- Holm, J. D., D. L. Johnson, and K. S. Champlin; Reflections from rotary-vane precision attenuators (Corresp.); *T-MTT* v15 n2 Feb 67 123-124
- Holm, John D., see Champlin, Keith S.; *T-MTT* v15 n8 Aug 67 477-478
- Holm, John D., see Champlin, Keith S.; *T-MTT* v16 n2 Feb 68 90-94
- Holmes, D. A.; TM and TE mode surface waves on grounded, anisotropic, inhomogeneous, lossless, dielectric slabs (Corresp.); *T-MTT* v12 n1 Jan 64 141
- Holmes, D. A., and D. L. Feucht; Dominant mode propagation in Ge and Si with carrier density decaying exponentially in time (Corresp.); *T-MTT* v12 n1 Jan 64 144-145
- Holmes, D. A., and D. L. Feucht; Microwave measurements on semiconductor filled symmetrical strip transmission line (Corresp.); *T-MTT* v12 n4 Jul 64 478-480
- Holmes, Dale A.; Propagation in rectangular waveguide containing inhomogeneous, anisotropic dielectric; *T-MTT* v12 n2 Mar 64 152-155. Correction, Mar 66 164
- Comments; *T-MTT* v13 n6 Nov 65 875-878
- Holmes, Dale A., see Jacobs, Harold; *T-MTT* v12 n2 Mar 64 163-170
- Holmes, Jerry D., see Bell, DeLamar T., Jr.; *T-MTT* v21 n4 Apr 73 263-271 (2E12)
- Holt, E. H., see Quine, J. P.; *T-MTT* v16 n11 Nov 68 952-955
- Honey, Richard C.; A traveling-wave electron deflection system; *T-MTT* v2 n2 Jul 54 2-9
- Honey, Richard C., see Jones, E. M. T.; *T-MTT* v4 n2 Apr 56 131-132
- Honey, Richard C., and E. M. T. Jones; A wide-band UHF traveling-wave variable reactance amplifier; *T-MTT* v8 n3 May 60 351-361
- Hong, Foong Chee, see Neelakantaswamy, Perambur S.; *T-MTT* v27 n9 Sep 79 797-799 (1C03)
- Honijik, D. D., see Afsar, M. N.; *T-MTT* v25 n6 Jun 77 505-508 (1D11)
- Honjo, Kazuhiko, Yoichiro Takayama, and Asamitsu Higashisaka; Broad-band internal matching of microwave power GaAs MESFET's; *T-MTT* v27 n1 Jan 79 3-8 (1A05)
- Honma, Masaji, see Komizo, Hidemitsu; *T-MTT* v21 n11 Nov 73 721-728 (2C03)
- Honma, T., see Sawazaki, N.; *T-MTT* v4 n2 Apr 56 116-121
- Hoover, John C.; A 6-kw peak power varactor duplexer; *T-MTT* v10 n6 Nov 62 476-479
- Hoover, John C., and Robert E. Tokheim; Microstrip transmission-line transitions to dielectric-filled waveguide (Corresp.); *T-MTT* v15 n4 Apr 67 273-274
- Hopfer, Samuel; The use of flat waveguide in the millimeter range (Abstr.); *T-MTT* v2 n3 Sep 54 54
- Hopfer, Samuel; The design of ridged waveguides; *T-MTT* v3 n5 Oct 55 20-29
- Comments; *T-MTT* v8 n3 May 60 377
- Hoppe, Wolfgang, Wolfgang Meyer, and Wolfram M. Schilz; Density-independent moisture metering in fibrous materials using a double-cutoff Gunn oscillator; *T-MTT* v28 n12 Dec 80 1449-1452
- Hord, William E., and Fred J. Rosenbaum; Approximation technique for dielectric loaded waveguides; *T-MTT* v16 n4 Apr 68 228-233
- Hord, William E., Fred J. Rosenbaum, and Charles R. Boyd Jr.; Theory of the suppressed-rotation reciprocal ferrite phase shifter; *T-MTT* v16 n11 Nov 68 902-910
- Hord, William E., and Fred J. Rosenbaum; Propagation in a longitudinally magnetized ferrite-filled square waveguide (Corresp.); *T-MTT* v16 n11 Nov 68 967-969
- Hord, William E., Fred J. Rosenbaum, and James A. Benet; Theory and operation of a reciprocal Faraday-rotation phase shifter; *T-MTT* v20 n2 Feb 72 112-119 (1D02)

- Hord, William E., and Fred J. Rosenbaum; Coupled-mode analysis of longitudinally magnetized ferrite phase shifters (Short p.); *T-MTT* v22 n2 Feb 74 135-138 (1E01)
- Horgan, James D.; Coupled strip transmission lines with rectangular inner conductors; *T-MTT* v5 n2 Apr 57 92-99
- Hori, Shigekazu, see Uchizaki, Ichiro; *T-MTT* v27 n12 Dec 79 1038-1042 (2B03)
- Horimatsu, Tetsuo, see Arai, Youichi; *T-MTT* v24 n6 Jun 76 381-383 (2B01)
- Horn, Robert E., see Klohn, Kenneth L.; *T-MTT* v26 n10 Oct 78 764-773 (1E06)
- Horn, Robert E., Harold Jacobs, Elmer Freibergs, and Kenneth L. Klohn; Electronic modulated beam-steerable silicon waveguide array antenna; *T-MTT* v28 n6 Jun 80 647-653
- Hornbuckle, Derry P., and Louis J. Kuhlman Jr.; Broad-band medium-power amplification in the 2-12.4-GHz range with GaAs MESFETs; *T-MTT* v24 n6 Jun 76 338-342 (1E08)
- Hornbys, J. S., and A. Gopinath; Numerical analysis of a dielectric-loaded waveguide with a microstrip line—Finite-difference methods; *T-MTT* v17 n9 Sep 69 684-690
- Horton, J. B., and G. A. Burdick; Measurement of dielectric constant and loss tangent in materials having large dielectric constants (Corresp.); *T-MTT* v16 n10 Oct 68 873-875
- Horton, J. B.; Microwaves of the 70's; *T-MTT* v21 n12 Dec 73 746 (1B03)
- Horton, J. B., Chmn.; 1969 International Microwave Symposium; *T-MTT* v17 n12 Dec 69 1054-1059
- Horton, John B., and Merle R. Donaldson; A one-GHz ferroelectric limiter; *T-MTT* v15 n9 Sep 67 517-523
- Horton, John B.; A thin-film X-band varactor quadrupler (Corresp.); *T-MTT* v15 n12 Dec 67 752-754
- Horton, John B.; MTT awards for 1973; *T-MTT* v22 n12 Dec 74 1128-1130 (3A10)
- Horton, John B.; MTT Awards for 1974; *T-MTT* v23 n12 Dec 75 947-951 (1A09)
- Horton, John B.; Editor's overview; *T-MTT* v24 n12 Dec 76 901 (1A03)
- Horton, John B.; MTT awards for 1975; *T-MTT* v24 n12 Dec 76 910-912 (1A12)
- Horton, John B., Guest ed.; Introductory remarks in special issue; *T-MTT* v19 n7 Jul 71 569 (1B03)
- Horton, M. C., and R. J. Wenzel; General theory and design of optimum quarter-wave TEM filters; *T-MTT* v13 n3 May 65 316-327
- Horton, M. C., and R. J. Wenzel; The digital elliptic filter—A compact sharp-cutoff design for wide bandstop or bandpass requirements; *T-MTT* v15 n5 May 67 307-314
- Horton, M. C., and R. J. Wenzel; The effectiveness of component elements in commensurate linelength filters (Corresp.); *T-MTT* v16 n8 Aug 68 555-557
- Horton, M. C.; Loss calculations for rectangular coupled bars (Corresp.); *T-MTT* v18 n10 Oct 70 736-738
- Horton, R.; Loss calculations of coupled microstrip lines (Short p.); *T-MTT* v21 n5 May 73 359-360 (1F01)
- Horton, R.; The electrical characterization of a right-angled bend in microstrip line (Short p.); *T-MTT* v21 n6 Jun 73 427-429 (2C04)
- Horton, R.; Equivalent representation of an abrupt impedance step in microstrip line (Short p.); *T-MTT* v21 n8 Aug 73 562-564 (2C08)
- Horvath, Vincent V., see Eberhardt, Nikolai; *T-MTT* v18 n9 Sep 70 554-565
- Hoshika, H., see Yahara, T.; *T-MTT* v23 n3 Mar 75 307-309 (1C13)
- Hoshino, Norio, see Konishi, Yoshihiro; *T-MTT* v19 n3 Mar 71 260-269 (1B04)
- Hoshino, Norio, see Konishi, Yoshihiro; *T-MTT* v22 n4 Apr 74 451-454 (2C13)
- Hoshino, Norio, see Konishi, Yoshihiro; *T-MTT* v24 n2 Feb 76 112-114 (1D04)
- Hosono, Toshio, and Shishu Kohno; The transmission of TE₀₁ wave in helix waveguides; *T-MTT* v7 n3 Jul 59 370-373
- Hou, Yun-Li, see Mittra, Raj; *T-MTT* v28 n1 Jan 80 36-43
- Houlding, N.; Varactor measurements and equivalent circuits (Corresp.); *T-MTT* v13 n6 Nov 65 872-873
- Houlding, N.; Comment on 'A new procedure for calculating varactor Q from impedance versus bias measurements'; *T-MTT* v18 n4 Apr 70 229-230
- Houston, Theodore W., and Leslie W. Read; Computer-aided design of broad-band and low-noise microwave amplifiers; *T-MTT* v17 n8 Aug 69 612-614
- Howard, A. Q., Jr., and K. A. Nabulsi; Note on a correction to aperture admittance in waveguide handbook; *T-MTT* v27 n3 Mar 79 285 (1F01)
- Howard, Anthony M., see Oxley, Christopher H.; *T-MTT* v27 n5 May 79 463-471 (2A04)
- Howard, Dean D., see Dunn, John H.; *T-MTT* v16 n9 Sep 68 715-728
- Howarth, Barry A., and Tomas J. F. Pavlasek; Analysis of automatic homodyne method amplitude and phase measurements (Short p.); *T-MTT* v20 n9 Sep 72 623-626 (2B10)
- Comments by Schafer, G. E., Jun 73 432
- Howell, David W., see Cumming, Raymond C.; *T-MTT* v13 n5 Sep 65 616-621
- Howell, John Q.; A quick accurate method to measure the dielectric constant of microwave integrated-circuit substrates (Short p.); *T-MTT* v21 n3 Mar 73 142-143 (1C12)
- Comments by Ladbroke, P. H., et al., Aug 73 570-571
- Howes, M. J., see McBretney, J.; *T-MTT* v27 n3 Mar 79 256-265 (1C14)
- Howes, M. J., see Dyer, G. R.; *T-MTT* v28 n4 Apr 80 429-430
- Howes, Michael J., see Dean, Michael; *T-MTT* v21 n3 Mar 73 121-127 (1B03)
- Howland, A. Ray, see Dale, Charles H.; *T-MTT* v20 n1 Jan 72 10-17 (1B12)
- Hsu, Fwu-Jih, see Itoh, Tatsuo; *T-MTT* v27 n5 May 79 514-518 (2D13)
- Hsu, Fwu-Jih, see Itoh, Tatsuo; *T-MTT* v27 n10 Oct 79 841-844 (1B05)
- Hsu, H. P.; On the general relation between α and Q (Corresp.); *T-MTT* v11 n4 Jul 63 258
- Hu, Ann Y.; An approximate method of finding the order of a combination Bessel-function equation (Corresp.); *T-MTT* v10 n2 Mar 62 145-146
- Hu, Ann Yung, and Akira Ishimaru; The dominant cutoff wavelength of a lunar line; *T-MTT* v9 n6 Nov 61 552-556
- Hu, Ann Yung, and Akira Ishimaru; Attenuation constant of lunar line and T-septate lunar line; *T-MTT* v11 n4 Jul 63 243-250
- Hu, Chia-Lun J., see Barnes, Frank S.; *T-MTT* v25 n9 Sep 77 742-746 (1B12)
- Hu, Chia-Lun J.; Online measurements of the fast changing dielectric constant in oil shale due to high-power microwave heating; *T-MTT* v27 n1 Jan 79 38-43 (1C12)
- Hu, Chia-Lun J.; A novel approach to the design of multiple-probe, high-power microwave, automatic, impedance measuring schemes; *T-MTT* v28 n12 Dec 80 1422-1428
- Hu, Ming-Kuei; On measurements of microwave E and H field distributions by using modulated scattering methods; *T-MTT* v8 n3 May 60 295-300
- Huang, Chern L., J. Tsui, Robert T. Kemerley, and Gary L. McCoy; Dynamic microwave frequency division characteristics of coplanar transferred-electron devices in a resistive circuit (Ltr.); *T-MTT* v24 n1 Jan 76 61-63 (1E07)
- Huang, Hua-Feng, see Partain, Larry D.; *T-MTT* v24 n10 Oct 76 656-660 (1B14)
- Huber, R., see Nelson, T.; *T-MTT* v18 n1 Jan 70 45-46
- Huckleberry, B. E., see Lynes, Guy D.; *T-MTT* v22 n6 Jun 74 693-697 (2B05)
- Hudson, Andrew S., J. Snieder, and J. W. F. Dorleijn; Manganese substitution in garnets for remanent phase shifters (Corresp.); *T-MTT* v19 n1 Jan 71 119-120 (3B08)
- Hudson, Arthur C.; Matching the sides of a parallel-plate region (Corresp.); *T-MTT* v5 n2 Apr 57 161-162
- Hudson, Arthur C.; A logarithmic transmission line chart; *T-MTT* v7 n2 Apr 59 277-281
- Hudson, Paul A.; A high directivity, broadband coaxial coupler (Corresp.); *T-MTT* v14 n6 Jun 66 293-294
- Hudson, Paul A., see Engen, Glenn F.; *T-MTT* v19 n4 Apr 71 411-413 (2C07)
- Hudson, Paul A., and L. F. Saulsbery; An adjustable-slot-length UHF coaxial coupler with decade bandwidth (Corresp.); *T-MTT* v19 n9 Sep 71 781-783 (1E07)
- Huetz, A., see Buzzi, J. M.; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- Huffman, D. L.; Prefabricated multilayer section design program (Computer program descr.); *T-MTT* v21 n1 Jan 73 62-63 (2C03)
- Hughes, A. James, see Adkins, Larry R.; *T-MTT* v17 n11 Nov 69 904-911
- Hughes, B. T., see Lacey, S. D.; *T-MTT* v22 n12 Dec 74 1329-1331 (5D07)
- Hughes, John J., see Sobol, H.; *T-MTT* v15 n6 Jun 67 377-378
- Hughes, John J., see Napoli, Louis S.; *T-MTT* v19 n6 Jun 71 559-561 (2C01)
- Hughes, John J., see Napoli, Louis S.; *T-MTT* v19 n7 Jul 71 664-665 (2E07)
- Hughes, John J., see Dean, Raymond H.; *T-MTT* v21 n12 Dec 73 805-809 (2C03)
- Huizinga, J. S., see Robson, E. L.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Humphrey, John R.; An automated general purpose test system for solid-state oscillators (Short p.); *T-MTT* v22 n12 Dec 74 1316-1319 (5C08)
- Humphreys, B. L., and J. B. Davies; The synthesis of N-port circulators; *T-MTT* v10 n6 Nov 62 551-554
- Humphreys, B. L., and J. B. Davies; The synthesis of N-port circulators (Corresp.); *T-MTT* v11 n4 Jul 63 263
- Humphreys, R. F., see Ash, Eric A.; *T-MTT* v17 n11 Nov 69 882-892
- Humphreys, R. F., see Venema, Adrian; *T-MTT* v26 n4 Apr 78 294-297 (1F02)
- Hunsinger, Bill J., see Panasik, Carl M.; *T-MTT* v26 n6 Jun 78 447-450 (1E13)
- Hunsinger, Bill J., see Fildes, Roger D.; *T-MTT* v27 n2 Feb 79 194-198 (2A07)
- Hunt, J. K.; Analysis of microwave measurement techniques by means of signal flow graphs; *T-MTT* v8 n2 Mar 60 206-212
- Hunt, James Keith, and Auber G. Ryals; Microwave variable attenuators and modulators using PIN diodes; *T-MTT* v10 n4 Jul 62 262-273
- Hurlbut, Keith H., see Hoffman, LaRue A.; *T-MTT* v17 n12 Dec 69 1145-1149
- Huruya, Junzi, and Risaburo Sato; Transmission characteristics and a design method of transmission-line low-pass filters with multiple pairs on coincident zeros and multiple pairs of coincident poles; *T-MTT* v28 n8 Aug 80 865-874
- Hussein, Ali M., Magdy M. Ibrahim, and S. E. Youssef; Performance characteristics of 4-port stripline circulators (Short p.); *T-MTT* v23 n11 Nov 75 923-926 (1F03)
- Hussein, Ali M., Magdy M. Ibrahim, and Saad E. Youssef; Central metal post in stripline circulators (Short p.); *T-MTT* v25 n2 Feb 77 150-152 (1E14)
- Hussein, Ali M., see Ristic, Velimir M.; *T-MTT* v27 n11 Nov 79 897-901 (1B13)
- Hutchison, P. T., see Abele, Thomas A.; *T-MTT* v23 n4 Apr 75 326-333 (1A04)
- Hylin, Tom M., and Kenneth L. Kotzebue; A solid-state microwave source from reactance-diode harmonic generators; *T-MTT* v9 n1 Jan 61 73-78
- Comments, *T-MTT* v10 n5 Sep 62 399-400
- Hylin, Tom M.; Microstrip transmission on semiconductor dielectrics; *T-MTT* v13 n6 Nov 65 777-781

I

- Ibrahim, Magdy M., see Hussein, Ali M.; *T-MTT* v23 n11 Nov 75 923-926 (1F03)
- Ibrahim, Magdy M., see Hussein, Ali M.; *T-MTT* v25 n2 Feb 77 150-152 (1E14)
- Ichiki, Stephen K., see Hill, Robert M.; *T-MTT* v8 n6 Nov 60 628-633
- Ida, Masao, see Mizutani, Takashi; *T-MTT* v28 n5 May 80 479-483
- Iga, Ken'ichi, see Suematsu, Yasuharu; *T-MTT* v14 n12 Dec 66 657-665. Correction, May 67 294
- Igarashi, Eiichi, see Ayaki, Kazuo; *T-MTT* v17 n12 Dec 69 1072-1077
- Igarashi, Mitsuru, and Yoshiyuki Naito; Properties of a four-port nonreciprocal circuit utilizing YIG on stripline—Filter and circulator; *T-MTT* v20 n12 Dec 72 828-833 (1E03)
- Igarashi, Mitsuru, and Yoshiyuki Naito; Theoretical analysis of magnetic resonance nonreciprocal circuits—Limitations of 3-dB bandwidth and available range; *T-MTT* v22 n9 Sep 74 821-829 (1A03)
- Iijima, Y., J. R. East, and George I. Haddad; Solid-state devices for low-frequency Doppler detectors (Tech. n.); *T-MTT* v26 n2 Feb 78 132-133 (1G02)
- Iizuka, Keigo; A new technique for measuring an electromagnetic field by a coil spring; *T-MTT* v11 n6 Nov 63 498-505
- Ikeda, Masahiro, see Sakai, Jun-ichi; *T-MTT* v26 n9 Sep 78 658-665 (1C04)
- Ikeda, Mutsuo, see Okamoto, Hiroshi; *T-MTT* v26 n2 Feb 78 136 (1G06)
- Ikeda, Mutsuo, see Okamoto, Hiroshi; *T-MTT* v26 n6 Jun 78 420-424 (1C14)
- Ikeda, Mutsuo, see Okamoto, Hiroshi; *T-MTT* v26 n8 Aug 78 627-628 (2B01)
- Ikuno, Hiroyoshi; Analysis of wave propagation in inhomogeneous dielectric slab waveguides; *T-MTT* v26 n4 Apr 78 261-266 (1C11)
- Ikushima, Ichiro, and Minoru Maeda; A temperature-stabilized broad-band lumped-element circulator; *T-MTT* v22 n12 Dec 74 1220-1225 (4B05)
- Ilias, D., and G. Boudouris; A recording microwave spectrograph; *T-MTT* v9 n2 Mar 61 144-152
- Inaba, Tatsuo, see Chiba, Jiro; *T-MTT* v26 n6 Jun 78 439-443 (1E05)
- Inabe, Yasunobu, see Yamada, Ryoze; *T-MTT* v22 n8 Aug 74 813-814 (1E03)
- Inacker, Henry F., see Landry, Norman R.; *T-MTT* v26 n6 Jun 74 617-625 (1C03)
- Inagaki, Sei-ichi, see Morishita, Katsumi; *T-MTT* v27 n4 Apr 79 310-315 (1B06)
- Inal, Kubilay, and Canan Toker; Minimum noise figure of paramps with frequency dependent apparent R_p (Corresp.); *T-MTT* v19 n3 Mar 71 333-334 (2C07)
- Inal, Kubilay, and Canan Toker; Accurate determination of varactor resistance at UHF and its relation to parametric amplifier noise temperature; *T-MTT* v21 n5 May 73 327-333 (1C05)
- Comments by Uhlir, A. Jr., Oct 73 654
- Ince, W. J., see Blake, C.; *T-MTT* v10 n1 Jan 62 88
- Ince, William J., and Ernest Stern; Nonreciprocal remanence phase shifters in rectangular waveguide; *T-MTT* v15 n2 Feb 67 87-95
- Ince, William J., see Stern, Ernest; *T-MTT* v15 n5 May 67 295-300
- Ince, William J., J. DiBartolo, Donald H. Temme, and Frank G. Willwerth; A

- comparison of two nonreciprocal latching phaser configurations (Corresp.); *T-MTT v19 n1 Jan 71* 105-107 (2F01)
- Ince, William J., see Tsandoulas, G. N.; *T-MTT v19 n4 Apr 71* 386-392 (1E06)
- Ince, William J., and G. N. Tsandoulas; Modal inversion in circular waveguides—Part II: Application to latching nonreciprocal phasers; *T-MTT v19 n4 Apr 71* 393-400 (2B01)
- Ince, William J., Donald H. Temme, and Frank G. Willwerth; Toroid corner chamfering as a method of improving the figure of merit of latching ferrite phasers (Corresp.); *T-MTT v19 n6 Jun 71* 563-564 (2C05)
- Ince, William J., see Tsandoulas, G. N.; *T-MTT v20 n4 Apr 72* 253-258 (1B11)
- Ince, William J., Donald H. Temme, Frank G. Willwerth, and J. DiBartolo; Method of fabrication for waveguide nonreciprocal toroidal ferrite phasers (Short p.); *T-MTT v20 n10 Oct 72* 705-707 (2C05)
- Ingebrigtsen, Kjell A., and Andreas Tønning; Excitation of elastic waves in crystals; *T-MTT v17 n11 Nov 69* 827-835
- Ino, Masayuki, and Masamichi Ohmori; Intrinsic response time of normally off MESFET's of GaAs, Si, and InP; *T-MTT v28 n5 May 80* 456-459
- Ino, Masayuki, see Suzuki, Hiroshi; *T-MTT v28 n6 Jun 80* 632-638
- Inoue, Takemi, and Toshio Nemoto; High-efficiency millimeter-wave bolometer mount; *T-MTT v25 n8 Aug 77* 694-697 (1E10)
- in't Veld, Gerald H., see Rozzi, Tullio E.; *T-MTT v28 n2 Feb 80* 61-73
- in't Veld, Gerald H., see Rozzi, Tullio E.; *T-MTT v27 n4 Apr 79* 303-309 (1A13)
- Irie, Toshiaki, Isamu Nagasako, Hideaki Kohzu, and Kenji Sekido; Reliability study of GaAs MESFET's; *T-MTT v24 n6 Jun 76* 321-328 (1D05)
- Irvin, Gerald, see Smith, Thane; *T-MTT v22 n12 Dec 74* 1331-1333 (5D09)
- Ishibashi, T., and M. Ohmori; 200-GHz 50-mW CW oscillation with silicon SDR IMPATT diodes (Corresp.); *T-MTT v24 n11 Nov 76* 858-859 (3A06)
- Ishida, Tetsuro, see Mushiage, Yasuto; *T-MTT v13 n4 Jul 65* 451-457
- Ishihara, Hiroyuki, see Kamuri, Noboru; *T-MTT v22 n12 Dec 74* 1286-1290 (5A06)
- Ishihara, Osamu, Tetsuro Mori, Hiroshi Sawano, and Masaaki Nakatani; A highly stabilized GaAs FET oscillator using a dielectric resonator feedback circuit in 9-14 GHz; *T-MTT v28 n8 Aug 80* 817-824
- Ishii, K., and F. F. Y. Wang; Effects of ferrite strip mounting positions on millimeter wave isolator characteristics (Corresp.); *T-MTT v9 n4 Jul 61* 362
- Ishii, K., see Vilmur, R. J.; *T-MTT v10 n3 May 62* 220-224
- Ishii, K., and D. E. Schumacher; Investigation of millimeter wave reflex klystron amplifiers (Corresp.); *T-MTT v11 n3 May 63* 212-213
- Ishii, K., see Schumacher, D. E.; *T-MTT v11 n5 Sep 63* 449-450
- Ishii, Koryu; Noise figures of reflex klystron amplifiers; *T-MTT v8 n3 May 60* 291-294
- Ishii, Koryu; Phase adjustment effects on cascaded reflex klystron amplifiers; *T-MTT v8 n4 Jul 60* 445-449
- Ishii, Koryu; An equivalent circuit of the internal cavity reflex klystron-amplifier (Corresp.); *T-MTT v8 n6 Nov 60* 667-668
- Ishii, Koryu; Cutoff variable reactor (Corresp.); *T-MTT v9 n1 Jan 61* 96-97
- Ishii, Koryu, see Vilmur, Paul L.; *T-MTT v10 n2 Mar 62* 108-113
- Ishii, Koryu, and Adeler L. Brault Jr.; Noise output and noise figure of biased millimeter-wave detector diodes; *T-MTT v10 n4 Jul 62* 258-262
- Ishii, Koryu; Discontinuities appear in the repeller current of a reflex klystron detector (Corresp.); *T-MTT v11 n2 Mar 63* 154-155
- Ishii, Koryu, see Hoffins, Cordell C.; *T-MTT v12 n2 Mar 64* 176-183
- Ishii, Koryu, see Roth, James P.; *T-MTT v12 n2 Mar 64* 245-247
- Ishii, Koryu, see Jaskolski, Stanley V.; *T-MTT v12 n3 May 64* 361-362
- Ishii, Koryu, see Raue, George E.; *T-MTT v12 n5 Sep 64* 547
- Ishii, Sosuke, see Shimada, Sadakuni; *T-MTT v18 n1 Jan 70* 61-62
- Ishii, T., see Kondo, A.; *T-MTT v22 n11 Nov 74* 970-972 (1E04)
- Ishii, T., see Suzuki, T.; *T-MTT v27 n12 Dec 79* 1070-1074 (2D07)
- Ishii, T. K., see Steinhoff, R. W.; *T-MTT v14 n9 Sep 66* 438
- Ishii, T. Koryu; Error of Doppler radar in target speed determination for traffic control (Corresp.); *T-MTT v13 n3 May 65* 389-390
- Ishii, T. Koryu, see Mashock, James A.; *T-MTT v17 n6 Jun 69* 347-349
- Ishii, T. Koryu, and Joseph A. Jenners; Transmission characteristics of a reentrant hybrid tee (Corresp.); *T-MTT v17 n9 Sep 69* 718
- Comments; *T-MTT v18 n8 Aug 70* 656
- Ishii, T. Koryu, see Drury, David M.; *T-MTT v27 n6 Jun 79* 598-603 (1D02)
- Ishii, Takashi, see Nishitani, Kazuo; *T-MTT v25 n12 Dec 77* 973-977 (1A11)
- Ishii, Takashi, see Nakatani, Masaaki; *T-MTT v27 n12 Dec 79* 1066-1070 (2D03)
- Ishikawa, Hajime, see Fukuta, Masumi; *T-MTT v24 n6 Jun 76* 312-317 (1C10)
- Ishimaru, Akira, see Hu, Ann Yung; *T-MTT v9 n6 Nov 61* 552-556
- Ishimaru, Akira, see Hu, Ann Yung; *T-MTT v11 n4 Jul 63* 243-250
- Iskander, Magdy F., Peter W. Barber, Carl H. Durney, and Habib Massoudi; Irradiation of prolate spheroidal models of humans in the near field of a short electric dipole; *T-MTT v28 n7 Jul 80* 801-807
- Iskander, Magdy F., and M. A. K. Hamid; Iterative solutions of waveguide discontinuity problems; *T-MTT v25 n9 Sep 77* 763-768 (1D05)
- Iskander, Magdy F., see Durney, Carl H.; *T-MTT v27 n8 Aug 79* 758-763 (1D02)
- Iskander, Magdy F., see Massoudi, Habib; *T-MTT v27 n10 Oct 79* 825-830 (1A03)
- Ismail, M. Zawawi, see Rhodes, John David; *T-MTT v22 n1 Jan 74* 1-5 (1A03)
- Isobe, Toyosaku, and Masataka Tokida; Power amplification for FM and PM signals with synchronized IMPATT oscillators; *T-MTT v18 n11 Nov 70* 906-911
- Isobe, Toyosaku, and Tetsuo Nakamura; Admittance measurement of IMPATT diode at X-band (Corresp.); *T-MTT v18 n11 Nov 70* 993-995
- Issa, Ali M. H., see Gledhill, Cyril S.; *T-MTT v17 n7 Jul 69* 379-386. Correction, Nov 69 1046
- Itakura, K., see Yamamoto, Sadahiko; *T-MTT v14 n10 Oct 66* 446-461
- Itakura, Kiyoyasu, see Yamamoto, Sadahiko; *T-MTT v14 n11 Nov 66* 542-553
- Itakura, Kiyoyasu, see Yamamoto, Sadahiko; *T-MTT v15 n4 Apr 67* 220-231
- Itanami, Takao, see Shindo, Shuichi; *T-MTT v26 n10 Oct 78* 747-751 (1D03)
- Itanami, Takao, and Shuichi Shindo; Channel dropping filter for millimeter-wave integrated circuits; *T-MTT v26 n10 Oct 78* 759-764 (1E01)
- Ito, Mabo; Dispersion of very short microwave pulses in waveguide; *T-MTT v13 n3 May 65* 357-364
- Ito, Sin'ichi, see Suematsu, Yasuharu; *T-MTT v14 n12 Dec 66* 657-665. Correction, May 67 294
- Ito, Yukio, Hidemitsu Komizo, and Shinji Sasagawa; Cavity stabilized X-band Gunn oscillator; *T-MTT v18 n11 Nov 70* 890-897
- Ito, Yukio, Hidemitsu Komizo, Takeshi Meguro, Yoshimasa Daido, and Itsuo Umebu; Experimental and computer simulation analysis of a Gunn diode; *T-MTT v19 n12 Dec 71* 900-905 (1B08)
- Ito, Yukio, Hidemitsu Komizo, Takeshi Meguro, Masaichi Shinoda, Toshio Oya, and Yoshimasa Daido; K-band high-power single-tuned IMPATT oscillator stabilized by hybrid-coupled cavities; *T-MTT v20 n12 Dec 72* 799-805 (1B10)
- Ito, Yukio, see Komizo, Hidemitsu; *T-MTT v21 n11 Nov 73* 721-728 (2C03)
- Itoh, Kiyohiko, see Tatekura, Kohichi; *T-MTT v26 n7 Jul 78* 487-493 (1C05)
- Itoh, T., and R. Mittra; Wood anomalies in diffraction from strip grating (Corresp.); *T-MTT v18 n1 Jan 70* 54-55
- Itoh, T., see Mittra, Raj; *T-MTT v23 n1 Jan 75* 176-177 (2G01)
- Itoh, T., see Rudokas, R.; *T-MTT v24 n12 Dec 76* 978-981 (2A07)
- Itoh, Tatsuo, and Raj Mittra; An analytical study of the echelette grating with application to open resonators; *T-MTT v17 n6 Jun 69* 319-327
- Itoh, Tatsuo, see Mittra, Raj; *T-MTT v18 n3 Mar 70* 149-156
- Itoh, Tatsuo, see Mittra, Raj; *T-MTT v19 n1 Jan 71* 47-56 (1F01)
- Itoh, Tatsuo, see Mittra, Raj; *T-MTT v20 n2 Feb 72* 96-104 (1B10)
- Itoh, Tatsuo, and Raj Mittra; A new method for calculating the capacitance of a circular disk for microwave integrated circuits (Short p.); *T-MTT v21 n6 Jun 73* 431-432 (2C08)
- Itoh, Tatsuo, and Raj Mittra; Spectral-domain approach for calculating the dispersion characteristics of microstrip lines (Short p.); *T-MTT v21 n7 Jul 73* 496-499 (2C03)
- Itoh, Tatsuo, and Raj Mittra; Resonance conditions of open resonators at microwave frequencies; *T-MTT v22 n2 Feb 74* 99-102 (1B07)
- Itoh, Tatsuo, see Rahmat-Samii, Yahya; *T-MTT v22 n4 Apr 74* 372-378 (1B08)
- Itoh, Tatsuo; A new method for measuring properties of dielectric materials using a microstrip cavity (Short p.); *T-MTT v22 n5 May 74* 572-576 (2C03)
- Itoh, Tatsuo, and Raj Mittra; A technique for computing dispersion characteristics of shielded microstrip lines (Short p.); *T-MTT v22 n10 Oct 74* 896-898 (1D08)
- Itoh, Tatsuo; Analysis of microstrip resonators; *T-MTT v22 n11 Nov 74* 946-952 (1C08)
- Itoh, Tatsuo, see McLevige, William V.; *T-MTT v23 n10 Oct 75* 788-794 (1A10)
- Itoh, Tatsuo; Inverted strip dielectric waveguide for millimeter-wave integrated circuits; *T-MTT v24 n11 Nov 76* 821-827 (2D12)
- Itoh, Tatsuo, see Samardzija, Nicola; *T-MTT v24 n11 Nov 76* 827-831 (2E04)
- Itoh, Tatsuo, and Ronald S. Rudokas; New method for computing the resonant frequencies of dielectric resonators (Short p.); *T-MTT v25 n1 Jan 77* 52-55 (1D12)
- Itoh, Tatsuo; Application of gratings in a dielectric waveguide for leaky-wave antennas and band-reject filters (Short p.); *T-MTT v25 n12 Dec 77* 1134-1138 (2F10)
- Itoh, Tatsuo, and Albert Sidney Hebert; A generalized spectral domain analysis for coupled suspended microstriplines with tuning septums; *T-MTT v26 n10 Oct 78* 820-827 (2B12)
- Itoh, Tatsuo; Generalized spectral domain method for multiconductor printed lines and its application to tunable suspended microstrips; *T-MTT v26 n12 Dec 78* 983-987 (1E05)
- Itoh, Tatsuo, and A. Sidney Hebert; Simulation study of electronically scannable antennas and tunable filters integrated in a quasi-planar dielectric waveguide; *T-MTT v26 n12 Dec 78* 987-991 (1E09)
- Itoh, Tatsuo, and Fwu-Jih Hsu; Distributed Bragg reflector Gunn oscillators for dielectric millimeter-wave integrated circuits; *T-MTT v27 n5 May 79* 514-518 (2D13)
- Itoh, Tatsuo, and Fwu-Jih Hsu; Application of inverted strip dielectric waveguides for measurement of the dielectric constant of low-loss materials at millimeter-wave frequencies; *T-MTT v27 n10 Oct 79* 841-844 (1B05)
- Itoh, Tatsuo, and Bang-Sup Song; Distributed Bragg reflection dielectric waveguide oscillators; *T-MTT v27 n12 Dec 79* 1019-1022 (1G11)
- Itoh, Tatsuo; Spectral domain immittance approach for dispersion characteristics of generalized printed transmission lines; *T-MTT v28 n7 Jul 80* 733-736
- Itoh, Tatsuo, see Schmidt, Lorenz-Peter; *T-MTT v28 n9 Sep 80* 981-985
- Itoh, Tatsuo, and Bernd Adelseck; Trapped image guide for millimeter-wave circuits; *T-MTT v28 n12 Dec 80* 1433-1436
- Itoh, Tsutomu, Raj Mittra, and R. D. Ward; A method for computing edge capacitance of finite and semi-infinite microstrip lines (Short p.); *T-MTT v20 n12 Dec 72* 847-849 (2B01)
- Ivanov, K. P., and S. I. Ganchev; Ferrite-loaded helical line with coaxial inner conductor (Corresp.); *T-MTT v19 n9 Sep 71* 784-786 (1E10)
- Iveland, T. D.; Computer design of inhomogeneous quarter-wave transformers (Corresp.); *T-MTT v17 n2 Feb 69* 120-121
- Iveland, Tor Dag; Dielectric resonator filters for application in microwave integrated circuits; *T-MTT v19 n7 Jul 71* 643-652 (2C10)
- Iwasawa, H.; The extended theory of the Manley-Rowe's energy relations in nonlinear elements and nonlinear lossless medium (Corresp.); *T-MTT v8 n4 Jul 60* 459-460

J

- Jääskeläinen, Paavo; Integral quotient in measurements of ambipolar diffused plasma with TE₀₁₁ cavity (Corresp.); *T-MTT v12 n5 Sep 64* 552
- Jablonski, Daniel; Attenuation characteristics of circular dielectric waveguide at millimeter wavelengths; *T-MTT v26 n9 Sep 78* 667-671 (1C13)
- Jacobi, John H., see Larsen, Lawrence E.; *T-MTT v26 n8 Aug 78* 581-595 (1E11)
- Jacobi, John H., Lawrence E. Larsen, and Charles T. Hast; Water-immersed microwave antennas and their application to microwave interrogation of biological targets; *T-MTT v27 n1 Jan 79* 70-78 (1F02)
- Jacobi, John H., see Meyerhoff, James L.; *T-MTT v27 n3 Mar 79* 267-270 (1D11)
- Jacobi, John H., see Larsen, Lawrence E.; *T-MTT v27 n7 Jul 79* 673-679 (1D05)
- Jacobs, Harold, Frank A. Brand, Michael Benanti, Richard Benjamin, and James D. Meindl; A new semiconductor microwave modulator; *T-MTT v8 n5 Sep 60* 553-559
- Jacobs, Harold, Dale A. Holmes, Frank A. Brand, and Leonard Hatkin; Five layer optical maser amplification; *T-MTT v12 n2 Mar 64* 163-170
- Jacobs, Harold, and Metro M. Chrepta; Electronic phase shifter for millimeter-wave semiconductor dielectric integrated circuits; *T-MTT v22 n4 Apr 74* 411-417 (2A01)
- Jacobs, Harold, Gabriel Novick, Charles M. Lo Cascio, and Metro M. Chrepta; Measurement of guide wavelength in rectangular dielectric waveguide; *T-MTT v24 n11 Nov 76* 815-820 (2D06)
- Jacobs, Harold, see Klohn, Kenneth L.; *T-MTT v26 n10 Oct 78* 764-773 (1E06)
- Jacobs, Harold, see Horn, Robert E.; *T-MTT v28 n6 Jun 80* 647-653

- Jacobson, A. D., and T. R. O'Meara; An optical all-pass network (Corresp.); *T-MTT* v13 n4 Jul 65 475-477
- Jaffe, Jerome S., and Richard C. Mackey; Microwave frequency translator; *T-MTT* v13 n3 May 65 371-378
- Jäger, Dieter; Slow-wave propagation along variable Schottky-contact microstrip line; *T-MTT* v24 n9 Sep 76 566-573 (1B08)
- Jain, A. K., and G. P. Srivastava; A circular waveguide 'hybrid-T' and its applications (Short p.); *T-MTT* v21 n7 Jul 73 482-483 (2B01)
- Jain, O. P., see Chudobiak, Walter J.; *T-MTT* v19 n9 Sep 71 783-784 (1E09)
- Jain, O. P., V. Makios, and Walter J. Chudobiak; Open-end and edge effect in microstrip transmission lines (Short p.); *T-MTT* v20 n9 Sep 72 626-628 (2C01)
- Jain, Om P., see Wight, James S.; *T-MTT* v22 n1 Jan 74 48-52 (1D08)
- Jakes, William C., Jr.; Analysis of coupling loops in waveguide and application to the design of a diode switch; *T-MTT* v14 n4 Apr 66 189-200
- James, Allan V., and L. O. Sweet; Broad-band calorimeters for the measurement of low and medium level microwave power—Part II: Construction and performance; *T-MTT* v6 n2 Apr 58 195-202
- James, Allan V.; A high-accuracy microwave phase standard for use in primary calibration laboratories; *T-MTT* v16 n11 Nov 68 944-949
- James, C. R., and George B. Walker; An approximate wave equation for an axially symmetric periodic waveguide; *T-MTT* v14 n9 Sep 66 428-430
- James, David S., Guy R. Painchaud, and Wolfgang J. R. Hoefer; Aperture coupling between microstrip and resonant cavities; *T-MTT* v25 n5 May 77 392-398 (1D10)
- Comments, *T-MTT* v26 n9 Sep 78 690-691 (1E08)
- James, David S., see Helszajn, Joseph; *T-MTT* v26 n2 Feb 78 95-100 (1D07)
- James, David S., see Douville, René J. P.; *T-MTT* v26 n3 Mar 78 175-182 (1C13)
- James, David S., see Helszajn, Joseph; *T-MTT* v27 n2 Feb 79 188-193 (2A01)
- Jannejad, Vahraz, see Mittra, Raj; *T-MTT* v28 n1 Jan 80 36-43
- Janiak, Marek, see Szmigielski, Stanislaw; *T-MTT* v26 n8 Aug 78 520-522 (1A06)
- Jansen, R.; On the performance of the least squares method for waveguide junctions and discontinuities (Short p.); *T-MTT* v23 n5 May 75 434-436 (1C08)
- Jansen, Robert W., see Boyd, Charles R., Jr.; *T-MTT* v18 n12 Dec 70 1084-1089
- Jansen, Rolf H.; High-speed computation of single and coupled microstrip parameters including dispersion, high order modes, loss and finite strip thickness; *T-MTT* v26 n2 Feb 78 75-82. Correction, Mar 78 216 (1C01)
- Jarvis, Stephen, Jr., see Adams, John W.; *T-MTT* v17 n10 Oct 69 778-785
- Jaskolski, Stanley V., and Koryu Ishii; Multifrequency microwave generation using a large capacitance tunnel diode (Corresp.); *T-MTT* v12 n3 May 64 361-362
- Javan, A., see Keilman, F.; *T-MTT* v22 n12 Dec 74 1118 (1D01)
- Javed, Alauddin, Barry A. Syrett, and Paul A. Goud; Intermodulation distortion analysis of reflection-type IMPATT amplifiers using Volterra series representation; *T-MTT* v25 n9 Sep 77 729-734 (1A13)
- Jaworski, Marek; On the resonant frequency of a reentrant cylindrical cavity; *T-MTT* v26 n4 Apr 78 256-260 (1C06)
- Jaworski, Marek, and Marian W. Pospieszalski; An accurate solution of the cylindrical dielectric resonator problem; *T-MTT* v27 n7 Jul 79 639-643. Correction, Jun 80 673 (1A13)
- Jaynes, E. T., see Vartanian, P. H.; *T-MTT* v4 n3 Jul 56 140-143
- Jaynes, E. T., see Forrer, Max P.; *T-MTT* v8 n2 Mar 60 147-150
- Jefferts, K. B., see Phillips, T. G.; *T-MTT* v22 n12 Dec 74 1290-1292 (5A10)
- Jelenski, Andrzej, see Fiedziuszko, Slawomir; *T-MTT* v19 n9 Sep 71 778-779 (1E04)
- Jelenski, Andrzej, see Fiedziuszko, Slawomir; *T-MTT* v19 n9 Sep 71 779-781 (1E05)
- Jellison, Fred A., see Ward, Charles S.; *T-MTT* v13 n6 Nov 65 801-805
- Jelsma, Lawrence F., Edward D. Tweed, Ronald L. Phillips, and Russell W. Taylor; Boundary conditions for the four vector potential (Corresp.); *T-MTT* v18 n9 Sep 70 648-649
- Jeng, Garbo, and Alvin Wexler; Self-adjoint variational formulation of problems having non-self-adjoint operators; *T-MTT* v26 n2 Feb 78 91-94 (1D03)
- Jenkins, William C., and K. Reed Gleason; A circuit for rapid evaluation of TRAPATT diodes (Ltr.); *T-MTT* v22 n11 Nov 74 976-977 (1E10)
- Jenners, Joseph A., see Ishii, T. Koryu; *T-MTT* v17 n9 Sep 69 718
- Jensen, H. G., see Henningsen, J. O.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Jethwa, C. P., and Robert L. Gunshor; An analytical equivalent circuit representation for waveguide-mounted Gunn device oscillators; *T-MTT* v20 n9 Sep 72 565-572 (1B03)
- Comments by Singh, D. N., Aug 73 569
- Jeunhomme, Luc, see Rousseau, Michel; *T-MTT* v25 n7 Jul 77 577-585 (1A13)
- Jha, Virendra K., see Bandler, John W.; *T-MTT* v22 n3 Mar 74 300-308 (2D10)
- Johansen, Elmer L.; Scattering coefficients for wall impedance changes in waveguides; *T-MTT* v10 n1 Jan 62 26-29
- Johansen, Elmer L.; The radiation properties of a parallel-plane waveguide in a transversely magnetized, homogeneous plasma; *T-MTT* v13 n1 Jan 65 77-83
- Johns, Peter B.; The solution of inhomogeneous waveguide problems using a transmission-line matrix; *T-MTT* v22 n3 Mar 74 209-215 (1E03)
- Johns, Peter B., see Akhtarzad, Sina; *T-MTT* v23 n6 Jun 75 486-492 (1B14)
- Johns, Peter B., see Akhtarzad, Sina; *T-MTT* v23 n12 Dec 75 990-997 (1D10)
- Johns, Peter B., see Akhtarzad, Sina; *T-MTT* v24 n10 Oct 76 681 (1D11)
- Johnson, A. Kent; Synthesis of distributed-element bandpass filters; *T-MTT* v17 n8 Aug 69 643
- Johnson, A. Kent, see Zysman, George I.; *T-MTT* v17 n10 Oct 69 753-759
- Johnson, C. M.; Superhetrodyne receiver for the 100 to 150 kMc region; *T-MTT* v2 n3 Sep 54 27-32
- Johnson, C. M., see King, D. D.; *T-MTT* v7 n2 Apr 59 229-233
- Johnson, C. M., and James C. Wiltse; A broad-band ferrite reflective switch (Corresp.); *T-MTT* v8 n4 Jul 60 466-467
- Johnson, Charles M.; Ferrite phase shifter for the UHF region; *T-MTT* v7 n1 Jan 59 27-31
- Johnson, Curtis C., see Lin, James C.; *T-MTT* v21 n12 Dec 73 791-797. Correction, Feb 75 265 (2B01)
- Johnson, Curtis C., see Durney, Carl H.; *T-MTT* v23 n2 Feb 75 246-253 (1E08)
- Johnson, Curtis C., Carl H. Durney, and Habib Massoudi; Electromagnetic power absorption in anisotropic tissue media (Short p.); *T-MTT* v23 n6 Jun 75 529-532 (1F01)
- Johnson, Curtis C., Carl H. Durney, and Habib Massoudi; Long-wavelength electromagnetic power absorption in prolate spheroidal models of man and animals; *T-MTT* v23 n9 Sep 75 739-747 (1B07)
- Johnson, Curtis C., see Massoudi, Habib; *T-MTT* v25 n1 Jan 77 41-46 (1D01)
- Johnson, Curtis C., see Massoudi, Habib; *T-MTT* v25 n1 Jan 77 47-52 (1D07)
- Johnson, Curtis C., see Durney, Carl H.; *T-MTT* v27 n8 Aug 79 758-763 (1D02)
- Johnson, D. L., see Holm, J. D.; *T-MTT* v15 n2 Feb 67 123-124
- Johnson, Gerald E., see Lynes, Guy D.; *T-MTT* v22 n6 Jun 74 693-697 (2B05)
- Johnson, H., see Presser, A.; *T-MTT* v16 n7 Jul 68 482-483
- Johnson, James W., see Jones, W. Linwood; *T-MTT* v23 n12 Dec 75 1053-1058 (2B04)
- Johnson, Kenneth M.; Large signal analysis of a parametric harmonic generator; *T-MTT* v8 n5 Sep 60 525-532
- Johnson, Kenneth M.; Broad-band cavity-type parametric amplifier design; *T-MTT* v9 n2 Mar 61 187-194
- Johnson, Kenneth M.; Microwave varactor tuned transistor oscillator design; *T-MTT* v14 n11 Nov 66 564-572
- Johnson, Kenneth M.; X-band integrated circuit mixer with reactively terminated image; *T-MTT* v16 n7 Jul 68 388-397
- Johnson, Kenneth M.; A high-performance integrated microwave circuit frequency quadrupler; *T-MTT* v16 n7 Jul 68 420-424
- Johnson, Kenneth M.; Posttuning drift of a transferred-electron-device voltage-controlled oscillator (Short p.); *T-MTT* v24 n10 Oct 76 650-656 (1B08)
- Johnson, Kenneth M.; Large signal GaAs MESFET oscillator design; *T-MTT* v27 n3 Mar 79 217-227 (1A03)
- Johnson, R. C.; Design of linear double tapers in rectangular waveguides; *T-MTT* v7 n3 Jul 59 374-378. Correction, Jul 60 458
- Johnson, R. C., Albert Louis Holliman, and John Searcy Hollis; A waveguide switch employing the offset ring-switch junction; *T-MTT* v8 n5 Sep 60 532-537
- Johnson, R. C., and D. J. Bryant; Linear tapers in rectangular waveguides (Corresp.); *T-MTT* v9 n3 May 61 261
- Johnson, R. C., F. L. Cain, and E. N. Bone; Dual-mode coupler (Corresp.); *T-MTT* v15 n11 Nov 67 651-652
- Johnson, Richard C., see Bassett, Harold L.; *T-MTT* v19 n2 Feb 71 197-205 (2C08)
- Johnson, Vern R., see Gonzalez, Guillermo; *T-MTT* v18 n7 Jul 70 404-406
- Johnson, Walter A.; Performance of a 3.3-mm radiometer; *T-MTT* v16 n9 Sep 68 621-625
- Johnston, D. A., and W. A. G. Voss; Use of the TEM mode in microwave heating applicators (Short p.); *T-MTT* v20 n8 Aug 72 547-549 (2B02)
- Joines, W. T., G. Dakermandji, R. L. Seaman, and H. Wachtel; Microwave-power absorption by rectangular-shaped conductive dielectric samples in stripline (Ltr.); *T-MTT* v24 n8 Aug 76 536-538 (1D06)
- Joines, William T., and James R. Griffin; On using the *Q* of transmission lines (Corresp.); *T-MTT* v16 n4 Apr 68 258-260
- Joines, William T.; A continuously variable dielectric phase shifter (Corresp.); *T-MTT* v19 n8 Aug 71 729-732 (2B02)
- Jokela, Kari T.; Narrow-band stripline or microstrip filters with transmission zeros at real and imaginary frequencies; *T-MTT* v28 n6 Jun 80 542-547
- Jolly, Stuart T., see Upadhyayula, Chainulu L.; *T-MTT* v24 n12 Dec 76 920-926 (1B08)
- Joly, J. C., and A. Poinso; Eigenmodes for straight circular cylinder microwave resonators containing a coaxial dielectric sample (Computer program descr.); *T-MTT* v20 n6 Jun 72 422 (2C09)
- Jones, Clarence W.; Broad-band balanced duplexers; *T-MTT* v5 n1 Jan 57 4-12
- Jones, D. L., see Gebbie, H. A.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Jones, E. M. T., and J. T. Bolljahn; Coupled-strip-transmission-line filters and directional couplers; *T-MTT* v4 n2 Apr 56 75-81
- Jones, E. M. T., and Richard C. Honey; A novel technique for making precision waveguide twists (Corresp.); *T-MTT* v4 n2 Apr 56 131-132
- Jones, E. M. T., and J. K. Shimizu; A wide-band strip-line balun; *T-MTT* v7 n1 Jan 59 128-134
- Jones, E. M. T., George L. Matthaeci, and Seymour B. Cohn; A nonreciprocal, TEM-mode structure for wide-band gyrator and isolator applications; *T-MTT* v7 n4 Oct 59 453-460
- Jones, E. M. T.; Wide-band strip-line Magic-T; *T-MTT* v8 n2 Mar 60 160-168
- Jones, E. M. T., see Honey, Richard C.; *T-MTT* v8 n3 May 60 351-361
- Jones, E. M. T., see Guthart, H.; *T-MTT* v10 n2 Mar 62 148-149
- Jones, Edward M. T., see Shimizu, James K.; *T-MTT* v6 n4 Oct 58 403-410
- Jones, Edward M. T., see Sharp, Eugene D.; *T-MTT* v10 n1 Jan 62 73-82
- Jones, Edward M. T., see Young, Leo; *T-MTT* v10 n6 Nov 62 416-427. Correction, Mar 66 164
- Jones, G. D., see Batt, R. J.; *T-MTT* v25 n6 Jun 77 488-491 (1C08)
- Jones, George R.; Transmission line measurement of narrow linewidth ferromagnetic samples (Corresp.); *T-MTT* v11 n6 Nov 63 547-548
- Jones, H. S., Jr., and R. V. Garver; Step-twist diode switch (Corresp.); *T-MTT* v12 n5 Sep 64 549
- Jones, R. R., see Whicker, L. R.; *T-MTT* v14 n1 Jan 66 45-46
- Jones, Raymond R., see Whicker, Lawrence R.; *T-MTT* v13 n6 Nov 65 781-784
- Jones, Raymond R.; A slow wave digital ferrite strip transmission line phase shifter; *T-MTT* v14 n12 Dec 66 684-688
- Jones, Stan, see Mao, Shing; *T-MTT* v16 n7 Jul 68 455-461
- Jones, W. Linwood, William L. Grantham, Lyle C. Schroeder, James W. Johnson, Calvin T. Swift, and John L. Mitchell; Microwave scattering from the ocean surface (Short p.); *T-MTT* v23 n12 Dec 75 1053-1058 (2B04)
- Jones, William R., see Campbell, James J.; *T-MTT* v16 n8 Aug 68 517-529
- Jones, William R., see Campbell, James J.; *T-MTT* v17 n2 Feb 69 101-107
- Jones, William R., and Edward C. Dufort; On the design of optimum dual-series feed networks; *T-MTT* v19 n5 May 71 451-458 (1D07)
- Jones, William R., see Lee, Shung Wu; *T-MTT* v19 n6 Jun 71 528-536 (1D04)
- Jones, William R., see Smith, W. Richard; *T-MTT* v20 n7 Jul 72 458-471 (1D12)
- Jones, William R., see Gerard, Henry M.; *T-MTT* v21 n4 Apr 73 176-186 (1C06)
- Jordan, A. K., see Koop, W. S.; *T-MTT* v9 n6 Nov 61 571-572
- Jordan, Arthur K.; Some effects of dielectric loading on ferrite phase shifters in rectangular waveguide (Corresp.); *T-MTT* v10 n1 Jan 62 83-84
- Josenhans, J. G.; A liquid helium cooled 4-GHz broad-band parametric amplifier (Corresp.); *T-MTT* v16 n9 Sep 68 791-793
- Joshi, J. S.; Wide-band varactor-tuned X-band Gunn oscillators in full-height waveguide cavity (Short p.); *T-MTT* v21 n3 Mar 73 137-139 (1C07)
- Joshi, J. S., and J. A. F. Cornick; Some general observations on the tuning characteristics of electromechanically tuned Gunn device oscillators (Short p.); *T-MTT* v21 n9 Sep 73 582-586 (1B12)
- Joshi, J. S., and J. A. F. Cornick; Analysis of a waveguide mounting configuration for electronically tuned transferred-electron-device oscillators and its circuit application; *T-MTT* v24 n9 Sep 76 573-584 (1C01)
- Joshi, J. S., and J. A. F. Cornick; Analysis of waveguide post configurations—Part I: Gap immittance matrices; *T-MTT* v25 n3 Mar 77 169-173 (1A03)
- Joshi, J. S., and J. A. F. Cornick; Analysis of waveguide post configurations—Part 2: Dual-gap cases; *T-MTT* v25 n3 Mar 77 173-181 (1A07)

K

- Joshi, J. S., and J. A. F. Cornick; Analysis of waveguide post configurations: Part 3—Influence of general waveguide terminations (Tech. n.); *T-MTT* v26 n4 Apr 78 319-320 (2A06)
- Joshi, K. K., and B. N. Das; Analysis of elliptic and cylindrical striplines using Laplace's equation; *T-MTT* v28 n4 Apr 80 381-386
- Jouys, J. C., see Buzzi, J. M.; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- Judd, G. W., see Gerard, Henry M.; *T-MTT* v20 n2 Feb 72 188-192 (2E10)
- Judd, Stewart V., Ian Whiteley, R. James Clowes, and David C. Rickard; An analytical method for calculating microstrip transmission line parameters; *T-MTT* v18 n2 Feb 70 78-87
- Jull, E. V., W. J. Bleackley, and M. M. Steen; The design of waveguides with symmetrically placed double ridges (Corresp.); *T-MTT* v17 n7 Jul 69 397-399
- Juraviev, Gennadii A., see Cherny, Vladimir V.; *T-MTT* v28 n4 Apr 80 401-404
- Jurkus, A.; Computation of step discontinuities in coaxial line (Computer program descr.); *T-MTT* v20 n10 Oct 72 708-709 (2C08)
- Justesen, Don R.; In remembrance of Curtis C. Johnson; *T-MTT* v26 n8 Aug 78 519 (1A05)
- Jutzi, Wilhelm; Microwave bandwidth active transversal filter concept with MESFETs; *T-MTT* v19 n9 Sep 71 760-767 (1C10)
- K**
- Kabayashi, Yoshio, see Tanabe, Kosai; *T-MTT* v23 n6 Jun 75 508-511 (1D08)
- Kaczowski, Andrzej, and Andrzej Milewski; High-accuracy wide-range measurement method for determination of complex permittivity in reentrant cavity: Part A—Theoretical analysis of the method; *T-MTT* v28 n3 Mar 80 225-228
- Kaczowski, Andrzej, and Andrzej Milewski; High accuracy wide-range measurement method for determination of complex permittivity in reentrant cavity: Part B—Experimental analysis of measurement errors; *T-MTT* v28 n3 Mar 80 228-231
- Kadowaki, Y., see Yahara, T.; *T-MTT* v23 n3 Mar 75 307-309 (1C13)
- Kadowaki, Yoshinobu, see Nakatani, Masaaki; *T-MTT* v27 n12 Dec 79 1066-1070 (2D03)
- Kagan, Herman; N-way power divider (Corresp.); *T-MTT* v9 n2 Mar 61 198-199
- Kahn, S., see Brodwin, M.; *T-MTT* v15 n9 Sep 67 530-531
- Kahn, W. K.; E-plane forked hybrid-T junction; *T-MTT* v3 n6 Dec 55 52-58
- Kahn, Walter K., see Altschuler, Helmut M.; *T-MTT* v4 n4 Oct 56 228-233
- Kahn, Walter K., see Felsen, L. B.; *T-MTT* v7 n1 Jan 59 102-110
- Kahn, Walter K., see Cohen, Morris; *T-MTT* v7 n4 Oct 59 430-441
- Kahn, Walter K.; Power transmission through general uniform waveguides; *T-MTT* v10 n5 Sep 62 329-331
- Kainer, S., see Lampe, M.; *T-MTT* v25 n6 Jun 77 556-558 (2C01)
- Kaiser, J. A.; Ring network filter (Corresp.); *T-MTT* v9 n4 Jul 61 359-360
- Kaiser, Julius A., Jr., Howard B. Smith Jr., William H. Pepper, and John H. Little; An automatic microwave phase comparator; *T-MTT* v10 n6 Nov 62 548-550
- Kajfež, Darko; Wide-band matching of lossless waveguide two-ports; *T-MTT* v10 n3 May 62 174-178
- Kajfež, Darko; Graphical analysis of *Q* circuits (Corresp.); *T-MTT* v11 n5 Sep 63 453-454
- Kajfež, Darko; Three-phase separator for circular polarization (Corresp.); *T-MTT* v17 n9 Sep 69 726-727
- Kajfež, Darko; Numerical data processing of reflection coefficient circles; *T-MTT* v18 n2 Feb 70 96-100
- Kajfež, Darko, and James O. Prewitt; A transmission line taper of improved design (Short p.); *T-MTT* v21 n5 May 73 364 (1F06)
- Correction of Klopfenstein, R. W., *PROC* 56 Jan 31-35
- Kajfež, Darko, Zojka Paunovic, and Stane Pavlin; Simplified design of Lange coupler; *T-MTT* v26 n10 Oct 78 806-808 (2A12)
- Kajfež, Darko; Computer aided analysis of noise in lossy microwave filters (Short p.); *T-MTT* v28 n6 Jun 80 671-672
- Kajfež, Darko, and B. Sarma Vidula; Design equations for symmetric microstrip dc blocks; *T-MTT* v28 n9 Sep 80 974-981
- Kaji, Ejiri, see Nishitani, Kazuo; *T-MTT* v25 n12 Dec 77 973-977 (1A11)
- Kajiwarra, Yuji, see Ayaki, Kazuo; *T-MTT* v17 n12 Dec 69 1072-1077
- Kak, Avinash C.; A discrete point approach to the measurement of radiated power of planar apertures; *T-MTT* v20 n1 Jan 72 74-81 (2C09)
- Kalaghan, Paul M., see Castelli, John P.; *T-MTT* v22 n12 Dec 74 1292-1299 (5A12)
- Kalikstein, K., and B. Schuldiner; Bounds on the elements of the susceptance matrix for asymmetrical obstacles in waveguides (Corresp.); *T-MTT* v12 n2 Mar 64 252-253
- Kalikstein, K., and Chemia J. Kleinman; Minimum principle determination of equivalent parameters of microwave structures (Corresp.); *T-MTT* v18 n1 Jan 70 60-61
- Kalikstein, Kalman, see Aronson, Irving; *T-MTT* v18 n10 Oct 70 725-731
- Kalikstein, Kalman, and Chemia J. Kleinman; Variational bound principle for multimode waveguide scattering; *T-MTT* v19 n8 Aug 71 673-677 (1B03)
- Kalikstein, Kalman; Bound on scattering elements for irregularly shaped waveguides; *T-MTT* v26 n4 Apr 78 250-252 (1B14)
- Kälin, R., and F. Kneubühl; Submillimeter-wave spectral thermal emission of small crystals and thin films of alkali halides (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Kalinski, Jerzy; A new principle for automatic compensation of unwanted signal level fluctuation in measuring setups which include a microwave generator and detector (Corresp.); *T-MTT* v16 n11 Nov 68 963-965
- Kallas, R. A.; Comment on 'Wave propagation in sinusoidally stratified dielectric media'; *T-MTT* v13 n1 Jan 65 139-141
- Kallas, R. A.; Additional comment on 'Wave propagation in sinusoidally stratified dielectric media' (Corresp.); *T-MTT* v13 n5 Sep 65 715
- Kalluri, D., and H. Unz; Comments on 'Longitudinal waves in a hot-nonuniform plasma'; *T-MTT* v15 n5 May 67 326-327
- Kamal, Ahmad A., see El-Shandwily, M. Ezzat; *T-MTT* v21 n6 Jun 73 392-403 (1D02)
- Kamal, Ahmad A., see El-Shandwily, M. Ezzat; *T-MTT* v25 n9 Sep 77 784-793 (1E12)
- Kamal, Ahmad A., see El-Shandwily, M. Ezzat; *T-MTT* v25 n9 Sep 77 794-803 (1F08)
- Kamihashi, Susumu, see Tajima, Yusuke; *T-MTT* v26 n10 Oct 78 795-801 (2A01)
- Kamijo, Kouji, see Yamashita, Eikichi; *T-MTT* v27 n4 Apr 79 352-356 (1E06)
- Kamimura, Masao, see Mikoshiba, Koichi; *T-MTT* v17 n1 Jan 69 15-19
- Kamimura, Masao, see Suzuki, Michio; *T-MTT* v18 n7 Jul 70 338-347
- Kamimura, Masao, Mitsuru Watanabe, Koichi Mikoshiba, and Michio Suzuki; Experiments of a discrete reflecting beam waveguide with parabolic cylindrical reflectors; *T-MTT* v18 n7 Jul 70 348-351
- Kaminow, Ivan P., Rudolf Kompfner, and William H. Louisell; Improvements in light modulators of the traveling-wave type; *T-MTT* v10 n5 Sep 62 311-313
- Kaminow, Ivan P.; Optical waveguide modulators; *T-MTT* v23 n1 Jan 75 57-70 (1E03)
- Kaminsky, Didier, see Bert, Alain G.; *T-MTT* v28 n12 Dec 80 1468-1473
- Kaminsky, Richard, see Smith, Thane; *T-MTT* v22 n12 Dec 74 1331-1333 (5D09)
- Kamiya, Toshiaki, see Yamanouchi, Kazuhiko; *T-MTT* v26 n4 Apr 78 298-305 (1F06)
- Kammiller, David W.; Calculation of characteristic admittances and coupling coefficients for strip transmission lines; *T-MTT* v16 n11 Nov 68 925-937
- Kammiller, David W.; The design of discrete *N*-section and continuously tapered symmetrical microwave TEM directional couplers; *T-MTT* v17 n8 Aug 69 577-590
- Kanda, Motohisa, and William G. May; Nonreciprocal reflection-beam isolators for far-infrared use; *T-MTT* v21 n12 Dec 73 786-790 (1E07)
- Kanda, Motohisa, and William G. May; Hollow-cylinder waveguide isolators for use at millimeter wavelengths; *T-MTT* v22 n11 Nov 74 913-917 (1A03)
- Kanda, Motohisa, and W. G. May; A millimeter-wave reflection-beam isolator (Short p.); *T-MTT* v23 n6 Jun 75 506-508 (1D06)
- Kanda, Motohisa; An improved solid-state noise source (Short p.); *T-MTT* v24 n12 Dec 76 990-995 (2B05)
- Kanda, Motohisa; Statistical measure for the stability of solid state noise sources; *T-MTT* v25 n8 Aug 77 676-682 (1D06)
- Kandoian, Armig G., see Altman, Frederick J.; *T-MTT* v3 n6 Dec 55 22-26
- Kane, Lawrence J., see Baker, Robert J.; *T-MTT* v26 n8 Aug 78 541-545 (1B13)
- Kanema, Seichi, see Hirano, Kotaro; *T-MTT* v16 n9 Sep 68 692-699
- Kanmuri, Noboru, Masami Akaike, Haruhiko Kato, Susumu Kitazume, Hideki Kobayashi, and Hiroyuki Ishihara; Low-noise down converter and high-efficiency up converter for transmitter-receiver applications in the 60-86-GHz region (Short p.); *T-MTT* v22 n12 Dec 74 1286-1290 (5A06)
- Kanmuri, Noboru, and Ryoji Kawasaki; Design and performance of a 60-90-GHz broad-band mixer (Short p.); *T-MTT* v24 n5 May 76 259-261 (1B11)
- Kanmuri, Noboru, see Akaike, Masami; *T-MTT* v24 n11 Nov 76 693-701 (1A13)
- Kantor, Gideon, Donald M. Witters Jr., and John W. Greiser; The performance of a new direct contact applicator for microwave diathermy; *T-MTT* v26 n8 Aug 78 563-568 (1D07)
- Kantor, Gideon, see Stuchly, Maria A.; *T-MTT* v28 n3 Mar 80 267-271
- Kantor, Gideon, and Donald M. Witters Jr.; A 2450-MHz slab-loaded direct contact applicator with choke; *T-MTT* v28 n12 Dec 80 1418-1422
- Kantorowicz, Gérard, see Bert, Alain G.; *T-MTT* v21 n4 Apr 73 255-263 (2E04)
- Kao, T. W.; Reflection and transmission of electromagnetic waves in inhomogeneous dielectric filled rectangular waveguide (Corresp.); *T-MTT* v17 n8 Aug 69 639-641
- Kaplan, Bernard, see Arams, Frank; *T-MTT* v9 n3 May 61 212-216
- Kaplan, Ira T., William Metlay, Milton M. Zaret, Leo Birenbaum, and Saul W. Rosenthal; Absence of heart-rate effects in rabbits during low-level microwave irradiation; *T-MTT* v19 n2 Feb 71 168-173 (1E08)
- Kaplan, L. J., and D. J. R. Stock; An extension of the reflection coefficient chart to include active networks (Corresp.); *T-MTT* v7 n2 Apr 59 298-299
- Kaplan, L. J., see Stock, D. J. R.; *T-MTT* v7 n3 Jul 59 392-393
- Kaplan, L. J., see Stock, D. J. R.; *T-MTT* v7 n4 Oct 59 475
- Kaplan, L. J., and D. J. R. Stock; Some comments on the method of Kyhl (Corresp.); *T-MTT* v8 n6 Nov 60 668
- Kaplan, L. J., see Stock, D. J. R.; *T-MTT* v9 n5 Sep 61 454
- Kaplan, L. J., see Stock, D. J. R.; *T-MTT* v10 n5 Sep 62 398-399
- Kaplan, L. J., D. J. R. Stock, and D. C. Youla; On voltage and current continuity in the Youla-Weissfloch circuit (Corresp.); *T-MTT* v10 n5 Sep 62 402-403
- Kaplan, L. J., see Stock, D. J. R.; *T-MTT* v7 n4 Oct 59 473-474
- Kaplan, S.; The use of the Rayleigh-Ritz method in nonself-adjoint problems (Corresp.); *T-MTT* v12 n2 Mar 64 254-255
- Kaprielian, Zohrab A., see Yeh, Cavour W. H.; *T-MTT* v13 n3 May 65 297-302
- Karbowiak, A. E.; Microwaves—A review of progress in Great Britain during 1960; *T-MTT* v9 n5 Sep 61 374-384
- Karbowiak, A. E., see Poulton, G.; *T-MTT* v17 n5 May 69 288-289
- Karbowiak, A. E., and R. H. Freeman; Resolution of the paradox concerning energy flow on nonlinear transmission lines (Short p.); *T-MTT* v21 n5 May 73 357-358 (1E11)
- Comments by Landauer, R., May 75 452-453
- Karbowiak, A. E., and R. H. Freeman; Rebuttal of 'Dispersion of nonlinear elements as a source of electromagnetic shock structure'; *T-MTT* v23 n5 May 75 453-454
- Karekar, R. N., and Madan K. Pande; Effect of thin-film Bi₂O₃ overlay on the quality factor of a microstrip resonator (Short p.); *T-MTT* v24 n5 May 76 262-264 (1B14)
- Karekar, R. N., and Madan K. Pande; MIC coupler with improved directivity using thin-film Bi₂O₃ overlay (Ltr.); *T-MTT* v25 n1 Jan 77 14-15 (1F06)
- Karimullah, Khalid, Kun-Mu Chen, and Dennis Paul Nyquist; Electromagnetic coupling between a thin-wire antenna and a neighboring biological body: Theory and experiment; *T-MTT* v28 n11 Nov 80 1218-1225
- Karmel, Paul R.; TE₀₁₁ mode sectorial circular cylindrical cavities filters; *T-MTT* v28 n7 Jul 80 695-699
- Karnik, Avinash R., and Gerald H. Cohen; Optimal synthesis of distributed parameter systems; *T-MTT* v17 n8 Aug 69 605-611
- Karp, Arthur, and Leo Young; Control of resonant frequency of YIG-disk filter by doublet tuning (Corresp.); *T-MTT* v15 n3 Mar 67 193-195
- Karp, Arthur, Herbert J. Shaw, and Donald K. Winslow; Circuit properties of microwave dielectric resonators; *T-MTT* v16 n10 Oct 68 818-828
- Kasai, George S., see Griemsmann, John W. E.; *T-MTT* v4 n4 Oct 56 252-255
- Kashiwagi, Hiroshi; Oversize bolometer unit for short millimeter wave region (Corresp.); *T-MTT* v15 n3 Mar 67 180
- Kashyap, S. C.; Slant dielectric interface discontinuity in a waveguide (Short p.); *T-MTT* v23 n2 Feb 75 257-260 (1F05)
- Kashyap, S. C., and James G. Dunn; A waveguide applicator for sheet materials (Ltr.); *T-MTT* v24 n2 Feb 76 125-126 (1E03)
- Katechi, P., see Uzunoglu, Nikolaos K.; *T-MTT* v28 n2 Feb 80 94-97
- Kato, Fumio, Masao Saito, and Takanori Okoshi; Computer-aided synthesis of planar circuits; *T-MTT* v25 n10 Oct 77 814-819 (1A10)
- Kato, H., see Akaike, M.; *T-MTT* v24 n3 Mar 76 147-151 (1B07)

- Kato, Haruhiko, see Kanmuri, Noboru; *T-MTT* v22 n12 Dec 74 1286-1290 (5A06)
- Kato, Haruhiko, see Akaike, Masami; *T-MTT* v24 n11 Nov 76 693-701 (1A13)
- Kato, Naoki, see Mizutani, Takashi; *T-MTT* v28 n5 May 80 479-483
- Kato, Yasuyuki, see Sakai, Jun-ichi; *T-MTT* v26 n9 Sep 78 658-665 (1C04)
- Kato, Yasuyuki, see Kitayama, Kenichi; *T-MTT* v28 n6 Jun 80 604-608
- Katoh, Hidehiko; Temperature-stabilized 1.7-GHz broad-band lumped-element circulator; *T-MTT* v23 n8 Aug 75 689-696. Correction, Mar 76 162-163 (1G03)
- Katoh, Hidehiko, see Mitama, Masataka; *T-MTT* v27 n6 Jun 79 612-615 (1E02)
- Katoh, Motonobu, and Yoshihiko Akaiwa; 4-GHz integrated-circuit mixer; *T-MTT* v19 n7 Jul 71 634-637 (2C01)
- Kaufman, I., see Douthett, D.; *T-MTT* v9 n3 May 61 261-262
- Kaufman, I., and R. F. Soohoo; The electric field and wave impedance in spin wave propagation (Corresp.); *T-MTT* v13 n5 Sep 65 703-704
- Kaufman, Irving, see Steier, William H.; *T-MTT* v9 n6 Nov 61 499-506
- Kaufman, Irving, and William H. Steier; A plasma-column band-pass microwave filter; *T-MTT* v10 n6 Nov 62 431-439
- Kaufman, Irving, and Ronald F. Soohoo; Magnetic waves for microwave time delay—Some observations and results; *T-MTT* v13 n4 Jul 65 458-467
- Kaufman, Irving; Calculation of radiation fields in waveguides by a principle of power balance; *T-MTT* v18 n8 Aug 70 418-425
- Kaurs, Allan R., see Kietzer, James E.; *T-MTT* v24 n11 Nov 76 797-803 (2C02)
- Kaurs, Allan R.; A tunable bandpass ring filter for rectangular dielectric waveguide integrated circuits (Corresp.); *T-MTT* v24 n11 Nov 76 875-876 (3B09)
- Kawahashi, Takeshi, and Teiji Uchida; Delay distortion in crystal mixers; *T-MTT* v7 n2 Apr 59 247-256
- Kawai, Kunitaka, see Tsuji, Mikio; *T-MTT* v27 n11 Nov 79 873-878 (1A03)
- Kawakami, Shojiro, and Jun-ichi Nishizawa; An optical waveguide with the optimum distribution of the refractive index with reference to waveform distortion; *T-MTT* v16 n10 Oct 68 814-818
- Kawakami, Shojiro, and Shigeo Nishida; A laser resonator with a selector for a higher transverse mode (Corresp.); *T-MTT* v19 n4 Apr 71 403-406 (2B11)
- Kawamoto, Hiroshi, see Rosen, A.; *T-MTT* v23 n10 Oct 75 841-843 (1E07)
- Kawamoto, Hiroshi; High-power microwave amplifier using an antiparallel avalanche-diode pair; *T-MTT* v19 n12 Dec 71 911-915 (1C07)
- Kawamura, Mitsuo, and Yoshihiro Kokubo; Transmission loss of the double-strip modified H guide at 50 GHz (Short p.); *T-MTT* v28 n4 Apr 80 430-432
- Kawamura, Nobuo, see Ogawa, Masaki; *T-MTT* v24 n6 Jun 76 300-305 (1B12)
- Kawasaki, Kiyohiro, and Masayoshi Umeno; Influence of surface metallization on the propagation characteristics of surface magnetostatic waves in an axially magnetized rectangular YIG rod; *T-MTT* v22 n4 Apr 74 391-394 (1C13)
- Kawasaki, Kiyohiro, Hirotaka Takagi, and Masayoshi Umeno; The interaction of surface magnetostatic waves with drifting carriers in semiconductors; *T-MTT* v22 n11 Nov 74 918-924 (1A08)
- Kawasaki, Kiyohiro, Hirotaka Takagi, and Masayoshi Umeno; Passband control of surface magnetostatic waves by spacing a metal plate apart from the ferrite surface; *T-MTT* v22 n11 Nov 74 924-929 (1A14)
- Kawasaki, Ryoji, see Kanmuri, Noboru; *T-MTT* v24 n5 May 76 259-261 (1B11)
- Kawasaki, Ryoji, and Masami Akaike; A broad-band second-harmonic mixer covering 76–106 GHz; *T-MTT* v26 n6 Jun 78 425-427 (1D05)
- Kawasaki, Ryoji, and Kazuyuki Yamamoto; A wide-band mechanically stable quasi-optical detector for 100–300 GHz; *T-MTT* v27 n5 May 79 530-533 (2F01)
- Kawashima, Mitsuo, see Hartnagel, Hans L.; *T-MTT* v21 n7 Jul 73 468-477 (1D10)
- Kebby, M. H., see Harp, M. C.; *T-MTT* v21 n1 Apr 74 36-40. Addendum, Jul 54 64
- Keegan, T., see Crepeau, P. J.; *T-MTT* v10 n5 Sep 62 391-392
- Keen, Nigel J.; Comments on 'An S-band radiometer design with high absolute precision' by Hardy, W. N., et al.; *T-MTT* v23 n5 May 75 456-457
- Keen, Nigel J.; Avalanche diode noise sources at short centimeter and millimeter wavelengths (Short p.); *T-MTT* v24 n3 Mar 76 153-155 (1B13)
- Keen, Nigel J., Robert W. Haas, and Peter Zimmermann; Avalanche noise from Schottky barrier diodes in the frequency range 75–115 GHz (Tech. n.); *T-MTT* v26 n10 Oct 78 843-844 (2D07)
- Kefalas, G., see Bawer, R.; *T-MTT* v5 n3 Jul 57 175-176
- Kefalas, George P.; Frequency diplexing with waveguide bifurcations (Corresp.); *T-MTT* v10 n3 May 62 221-222
- Keilman, F., R. L. Sheffield, J. R. R. Leite, M. S. Feld, and A. Javan; Spectroscopy in D₂O using resonant absorption of CO₂ laser radiation (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1118 (1D01)
- Keister, Frank Z.; An evaluation of materials and processes for integrated microwave circuits; *T-MTT* v16 n7 Jul 68 469-475
- Kelleher, Kenneth S., see Bowie, Duncan M.; *T-MTT* v4 n3 Jul 56 137-140
- Keller, B., and F. Kneubühl; Group theory of submillimeter-wave-frequency angular correlation functions related to the rotation of molecules in liquids (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Kellett, James D.; Some recent findings in microwave storage; *T-MTT* v9 n4 Jul 61 306-312
- Kelley, Douglas, Arnold G. Kramer, and Francis G. Willwerth; Microstrip filters and couplers (Corresp.); *T-MTT* v16 n8 Aug 68 560-562
- Kelley, Douglas J., see Paik, S. F.; *T-MTT* v21 n11 Nov 73 716-720 (2B10)
- Kelly, Alexander J.; The negative capacitor, an impedance matching element for dielectric-filled transmission line (Corresp.); *T-MTT* v15 n10 Oct 67 583-584. Addendum, Jun 68 374
- Kelly, Alexander J., and Herman C. Okean; A low-noise millimeter MIC mixer (Corresp.); *T-MTT* v24 n11 Nov 76 867-869 (3B01)
- Kelly, Alexander J., see Okean, Herman C.; *T-MTT* v25 n4 Apr 77 254-267 (1B02)
- Kelly, Alexander J.; Fundamental limits on conversion loss of double sideband resistive mixers; *T-MTT* v25 n11 Nov 77 867-869 (1A03)
- Kelly, E., see Gianino, P. D.; *T-MTT* v8 n5 Sep 60 569
- Kelly, Kenneth C., see Cohn, Seymour B.; *T-MTT* v14 n9 Sep 66 406-410
- Kelly, Patrick J., see Lombardini, Pietro P.; *T-MTT* v4 n4 Oct 56 234-239. Correction, Apr 57 162
- Kelly, William M., and Gerard T. Wrixon; Conversion losses in Schottky-barrier diode mixers in the submillimeter region; *T-MTT* v27 n7 Jul 79 665-672 (1C11)
- Kemerly, Robert T., see Huang, Cherrn I.; *T-MTT* v24 n1 Jan 76 61-63 (1E07)
- Kennaugh, Edward M., see Adachi, Saburo; *T-MTT* v8 n5 Sep 60 520-525
- Kenney, James E., see Hollinger, James P.; *T-MTT* v24 n11 Nov 76 786-793 (2B05)
- Kenney, James E., Enzo A. Uliana, and Edward J. Walsh; The Surface Contour Radar, a unique remote sensing instrument; *T-MTT* v27 n12 Dec 79 1080-1092 (2E03)
- Kenney, James M.; The simultaneous measurement of gain and noise using only noise generators; *T-MTT* v16 n9 Sep 68 603-607
- Kennis, P., see Legier, J. F.; *T-MTT* v28 n9 Sep 80 1031-1034
- Kenyon, N. D., see Misawa, T.; *T-MTT* v18 n11 Nov 70 969-970
- Kenyon, N. D.; Comments on 'Characterization of microwave oscillator and amplifier circuits using an IMPATT diode based below breakdown' by Tozer, R. C., et al.; *T-MTT* v23 n5 May 75 454-455
- Kenyon, R. J., see Spuhler, H. A.; *T-MTT* v7 n3 Jul 59 391
- Kerbs, Donald, see Albanese, Victor J.; *T-MTT* v26 n5 May 78 348-354 (1C02)
- Kerdiles, Jacques, and John R. Whinnery; Acoustic gas lenses for light (Corresp.); *T-MTT* v15 n5 May 67 321-322
- Keriyas, Magdy H., see Sobhy, Mohamed I.; *T-MTT* v28 n4 Apr 80 348-358
- Kern, Gus M., see Moore, Robert Avery; *T-MTT* v22 n6 Jun 74 626-634 (1C12)
- Kerner, Stephen R., Nicolaos G. Alexopoulos, and Rodolfo F. Cordero-Iannarella; On the theory of corrugated optical disk waveguides; *T-MTT* v28 n1 Jan 80 18-24
- Kerns, David M., and Walter T. Grandy Jr.; Perturbation theorems for waveguide junctions, with applications; *T-MTT* v14 n2 Feb 66 85-92
- Kernweis, Nicholas P., see Cleveland, Frederick H.; *T-MTT* v19 n4 Apr 71 406-410 (2C02)
- Kerr, A. R.; On two-idler parametric amplifiers (Corresp.); *T-MTT* v17 n1 Jan 69 39-40
- Kerr, A. R.; Comparison of one- and two-idler parametric amplifiers (Corresp.); *T-MTT* v18 n5 May 70 277-278
- Kerr, A. R., see Siegel, P. H.; *T-MTT* v28 n3 Mar 80 275-276
- Kerr, Anthony R.; Low-noise room-temperature and cryogenic mixers for 80–120 GHz; *T-MTT* v23 n10 Oct 75 781-787 (1A03)
- Kerr, Anthony R.; A technique for determining the local oscillator waveforms in a microwave mixer (Short p.); *T-MTT* v23 n10 Oct 75 828-831 (1D08)
- Kerr, Anthony R., Robert J. Mattauch, and John A. Grange; A new mixer design for 140–220 GHz (Short p.); *T-MTT* v25 n5 May 77 399-401 (1E03)
- Kerr, Anthony R., see Held, Daniel N.; *T-MTT* v26 n2 Feb 78 49-55 (1A03)
- Kerr, Anthony R., see Held, Daniel N.; *T-MTT* v26 n2 Feb 78 55-61 (1A09)
- Kerr, Anthony R.; Shot-noise in resistive-diode mixers and the attenuator noise model; *T-MTT* v27 n2 Feb 79 135-140 (1D03)
- Kerr, Anthony R., see Cong, Hong-Ih; *T-MTT* v27 n3 Mar 79 245-248 (1C03)
- Kerr, Anthony R.; Noise and loss in balanced and subharmonically pumped mixers: Part 1—Theory; *T-MTT* v27 n12 Dec 79 938-943 (1A14)
- Kerr, Anthony R.; Noise and loss in balanced and subharmonically pumped mixers: Part 2—Application; *T-MTT* v27 n12 Dec 79 944-950 (1B06)
- Keywell, Frank, see Weglein, Rolf D.; *T-MTT* v9 n1 Jan 61 39-43
- Keywell, Frank; On the resonant-cavity method for measurement of varactors; *T-MTT* v10 n6 Nov 62 567-572
- Khan, Peter J., see Pence, Ira W.; *T-MTT* v18 n11 Nov 70 784-789
- Khan, Peter J., see Davis, W. Alan; *T-MTT* v19 n4 Apr 71 373-380 (1D05)
- Khan, Peter J., see Eisenhart, Robert L.; *T-MTT* v19 n8 Aug 71 706-719 (1D12)
- Khan, Peter J., see Davis, W. Alan; *T-MTT* v21 n6 Jun 73 386-392 (1C08)
- Khan, Peter J., see Chang, Kai; *T-MTT* v22 n5 May 74 536-541 (1E02)
- Khan, Peter J., see Alexander, Philip H.; *T-MTT* v23 n10 Oct 75 831-833 (1D11)
- Khan, Peter J., see Chang, Kai; *T-MTT* v24 n2 Feb 76 101-105 (1C07)
- Khan, Peter J., see Chang, Kai; *T-MTT* v24 n9 Sep 76 611-615 (1E11)
- Khandelwal, D. D.; The resonant frequency of interdigital filter elements (Corresp.); *T-MTT* v15 n5 May 67 322-324
- Khandelwal, Deen D., and Walter R. Curtice; A study of the single-frequency quenched-domain mode Gunn-effect oscillator; *T-MTT* v18 n4 Apr 70 178-187
- Khandelwal, Deen D.; On injection-locking figure of merit for avalanche, Gunn, and other oscillators (Corresp.); *T-MTT* v18 n11 Nov 70 989-992
- Kharadly, M. M. Z.; Periodically loaded nonreciprocal transmission lines for phase-shifter applications; *T-MTT* v22 n6 Jun 74 635-640 (1D07)
- Kharadly, M. M. Z., see Enegren, Terry A.; *T-MTT* v28 n6 Jun 80 609-615
- Kharadly, M. M. Z., see Enegren, Terry A.; *T-MTT* v28 n8 Aug 80 905-914
- Khilla, Abdel-Messias, and Ingo Wolff; Field theory treatment of H-plane waveguide junction with triangular ferrite post; *T-MTT* v26 n4 Apr 78 279-287 (1E01)
- Khilla, Abdel-Messias, and Ingo Wolff; Point-matching solution for magnetically tunable cylindrical cavities and ferrite planar resonators; *T-MTT* v27 n6 Jun 79 592-598 (1C10)
- Khoo, Gratia, see Crampagne, Raymond; *T-MTT* v24 n8 Aug 76 532-534
- Khoo, Gratia, see Crampagne, Raymond; *T-MTT* v25 n5 May 77 440-442 (2A04)
- Kiefer, James E., see Goodwin, Frank E.; *T-MTT* v12 n3 May 64 349-358
- Kiehl, Richard A., and Robert L. Gunshor; Internal dynamics and microwave properties of X-band transferred-electron devices; *T-MTT* v24 n4 Apr 76 165-172 (1A03)
- Kiehl, Richard A.; An avalanche optoelectronic microwave switch; *T-MTT* v27 n5 May 79 533-539 (2F04)
- Kiehl, Richard A.; Novel optical control techniques for solid-state radar transmitters; *T-MTT* v28 n4 Apr 80 409-413
- Kiernicki, Joseph, see Lin, James C.; *T-MTT* v27 n6 Jun 79 618-620 (1E08)
- Kiernicki, Martin, see Lin, James C.; *T-MTT* v27 n6 Jun 79 618-620 (1E08)
- Kietzer, James E., Allan R. Kaurs, and Burton J. Levin; A V band communication transmitter and receiver system using dielectric waveguide integrated circuits; *T-MTT* v24 n11 Nov 76 797-803 (2C02)
- Kihlén, Ralph; Stripline triplexer for use in narrow-bandwidth multichannel filters (Short p.); *T-MTT* v20 n7 Jul 72 486-488 (2C03)
- Kihm, R. T., see Hislop, Alfred R.; *T-MTT* v24 n1 Jan 76 63-64 (1E09)
- Kilburg, Francis J., see Gillespie, Edmond S.; *T-MTT* v21 n6 Jun 73 413-419 (2B02)
- Kim, C. S., see Sirkis, M. D.; *T-MTT* v11 n6 Nov 63 552
- Kim, J. H., see Antich, Peter P.; *T-MTT* v26 n8 Aug 78 569-572 (1D13)
- Kim, John R., Leslie C. Gunderson, and J. Singletary; Analysis of a microwave resonator-feedback oscillator (Corresp.); *T-MTT* v19 n3 Mar 71 331-332 (2C05)
- Kimura, Katsuhiko, see Maeda, Minoru; *T-MTT* v23 n8 Aug 75 661-667 (1E03)
- Kimura, Tatsuya, see Sakai, Jun-ichi; *T-MTT* v26 n9 Sep 78 658-665 (1C04)
- Kind, Dale E., see Hoffman, LaRue A.; *T-MTT* v17 n12 Dec 69 1145-1149
- King, D. D.; Properties of dielectric image lines; *T-MTT* v3 n2 Mar 55 75-81
- King, D. D.; Report of advances in microwave theory and techniques—1954; *T-MTT* v3 n3 Apr 55 4-7
- King, D. D.; Circuit components in dielectric image lines; *T-MTT* v3 n6 Dec 55 35-39
- King, D. D.; Report of advances in microwave theory and techniques—1955; *T-MTT* v4 n2 Apr 56 68-74
- King, D. D., and S. Perry Schlesinger; Losses in dielectric image lines; *T-MTT* v5 n1 Jan 57 31-36
- King, D. D., see Schlesinger, S. Perry; *T-MTT* v6 n3 Jul 58 291-299

- King, D. D., Carroll M. Barrack, and C. M. Johnson; Precise control of ferrite phase shifters; *T-MTT v7 n2 Apr 59* 229-233
- King, D. D., F. Sobel, and J. W. Dozier; Harmonic generation by an array (Corresp.); *T-MTT v12 n2 Mar 64* 256
- King, D. D.; Space for microwaves (Edit.); *T-MTT v13 n6 Nov 65* 732-733
- King, Donald D.; Report of advances in microwave theory and techniques—1956; *T-MTT v5 n2 Apr 57* 83-91
- King, Donald D.; Message from the editor; *T-MTT v8 n1 Jan 60* 2
- King, Donald D.; Editorial; *T-MTT v11 n1 Jan 63* 2
- King, Donald D., Ed.; Editorial; *T-MTT v10 n1 Jan 62* 2
- King, Howard E.; Broad-band coaxial choked coupling design; *T-MTT v8 n2 Mar 60* 132-135
- King, Howard E.; Rectangular waveguide theoretical CW average power rating; *T-MTT v9 n4 Jul 61* 349-357
- King, Howard E., and Jimmy L. Wong; Characteristics of oversize circular waveguides and transitions at 3-mm wavelengths (Corresp.); *T-MTT v19 n1 Jan 71* 116-119 (3B05)
- King, Howard E., see Bottjer, Martin F.; *T-MTT v20 n2 Feb 72* 182-184 (2E04)
- King, M., see Wantuch, E.; *T-MTT v13 n6 Nov 65* 868-869
- King, Morrell L., see Buck, Daniel C.; *T-MTT v26 n5 May 78* 357-360 (1C11)
- King, R. J., and R. I. Christopherson; A homodyne system for the measurement of microwave reflection coefficients (Corresp.); *T-MTT v18 n9 Sep 70* 658-660
- King, R. J.; On an automatic system for simultaneous measurement of amplitude and phase of millimeter-wave fields (Short p.); *T-MTT v24 n1 Jan 76* 48-50 (1D08)
- King, Ray J., see Mittra, Raj; *T-MTT v10 n1 Jan 62* 13-19
- King, Richard R.; A peak power threshold approximation for remanent ferrite phase shifters (Corresp.); *T-MTT v17 n10 Oct 69* 790
- King, Ronald W. P., see Owyang, Gilbert H.; *T-MTT v8 n2 Mar 60* 172-181
- King, Ronald W. P., see Burton, Robert W.; *T-MTT v13 n3 May 65* 303-306
- King, Ronald W. P., Sheila Prasad, and Barbara H. Sandler; Transponder antennas in and near a three-layered body; *T-MTT v28 n6 Jun 80* 586-596
- King, W. C.; Millimeter wave spectroscopic components; *T-MTT v2 n3 Sep 54* 13-16
- Kingston, R. H.; A UHF solid-state maser; *T-MTT v7 n1 Jan 59* 92-94
- Kino, Gordon S., see Allen, Matthew A.; *T-MTT v8 n3 May 60* 362-372
- Kino, Gordon S., Stephen Ludvik, H. J. Shaw, William R. Shreve, James M. White, and Donald K. Winslow; Signal processing by parametric interactions in delay-line devices; *T-MTT v21 n4 Apr 73* 244-255 (2D05)
- Kinoshita, Y., and M. Maeda; An 18 GHz single-tuned parametric amplifier with large gain bandwidth product (Corresp.); *T-MTT v18 n7 Jul 70* 409-410
- Kinoshita, Yasuaki, and Minoru Maeda; An 18-GHz double-tuned parametric amplifier; *T-MTT v18 n12 Dec 70* 1114-1119
- Kinser, Donald L., see Wilson, L. K.; *T-MTT v22 n4 Apr 74* 470-471 (2E04)
- Kinsley, David J., see Biernson, George; *T-MTT v13 n3 May 65* 345-356
- Kinsner, W., and E. Della Torre; A program using the successive extrapolated relaxation (SER) method to solve Laplace's equation (Computer program descr.); *T-MTT v21 n5 May 73* 365 (1F07)
- Kinsner, W., see Della Torre, E.; *T-MTT v21 n7 Jul 73* 490-491 (2B09)
- Kinsner, W. M., and Edward Della Torre; An iterative approach to the finite-element method in field problems; *T-MTT v22 n3 Mar 74* 221-228 (1F01)
- Kint, L. V. d., and E. Schanda; A microwave quadruplexer (Corresp.); *T-MTT v11 n1 Jan 63* 90-92
- Kirchner, E. K., see Sperry, W. R.; *T-MTT v19 n12 Dec 71* 945-947 (1F05)
- Kirchner, Ernst K.; Microwave variable delay devices; *T-MTT v17 n11 Nov 69* 986-997
- Kirkpatrick, George R., see Adam, Stephen F.; *T-MTT v24 n12 Dec 76* 995-997 (2B10)
- Kirschbaum, Herbert S., and Sinclair Chen; A method of producing broad-band circular polarization employing an anisotropic dielectric; *T-MTT v5 n3 Jul 57* 199-203
- Kirschbaum, Herbert S., and Raphael Tsu; A study of a serrated ridge waveguide; *T-MTT v7 n1 Jan 59* 142-148
- Kirton, Paul A., and Khee K. Pang; Extending the realizable bandwidth of edge-coupled stripline filters; *T-MTT v25 n8 Aug 77* 672-676 (1D02)
- Kisliuk, Moshe; The dyadic Green's functions for cylindrical waveguides and cavities; *T-MTT v28 n8 Aug 80* 894-898
- Kitahara, Yuji, Tsutomu Kyuzaki, and Ryoji Tamura; A more than 4-percent-efficiency solid-state transmitter for a 4 GHz radio relay (Short p.); *T-MTT v22 n12 Dec 74* 1305-1308 (5B11)
- Kitayama, Kenichi, and Nobuaki Kumagai; Theory and applications of coupled optical waveguides involving anisotropic or gyrotropic materials; *T-MTT v25 n7 Jul 77* 567-572 (1A03)
- Kitayama, Kenichi, see Sakai, Jun-ichi; *T-MTT v26 n9 Sep 78* 658-665 (1C04)
- Kitayama, Kenichi, Yasuyuki Kato, Shigeyuki Seikai, Naoya Uchida, Michio Akiyama, and Osamu Fukuda; Transmission characteristic measurement of two-mode optical fiber with a nearly optimum index-profile; *T-MTT v28 n6 Jun 80* 604-608
- Kitazawa, Seiko, see Okoshi, Takanori; *T-MTT v23 n3 Mar 75* 299-306 (1C05)
- Kitazawa, T., Y. Fujiki, Y. Hayashi, and Michio Suzuki; Slot line with thick metal coating (Short p.); *T-MTT v21 n9 Sep 73* 580-582 (1B10)
- Kitazawa, T., Y. Hayashi, and M. Suzuki; A coplanar waveguide with a thick metal-coating (Short p.); *T-MTT v24 n9 Sep 76* 604-608 (1E04)
- Kitazawa, Toshihide, Yoshio Hayashi, and Michio Suzuki; Analysis of the dispersion characteristic of slot line with thick metal coating; *T-MTT v28 n4 Apr 80* 387-392
- Kitazawa, Susumu, see Kanmuri, Noboru; *T-MTT v22 n12 Dec 74* 1286-1290 (5A06)
- Klapka, Jindřich L.; Influence of wall losses on energy flow center velocity of pulses in waveguides; *T-MTT v18 n10 Oct 70* 689-696
- Klatskin, Jerome B., see Rosen, A.; *T-MTT v23 n10 Oct 75* 841-843 (1E07)
- Klein, Gerald, and Leonard Dubrowsky; The DIGILATOR, a new broadband microwave frequency translator; *T-MTT v15 n3 Mar 67* 172-179
- Klein, Gerald; Transient thermal behavior of latching ferrite phase shifters (Corresp.); *T-MTT v15 n7 Jul 67* 429-430
- Kleinman, Chemia J., see Kalikstein, K.; *T-MTT v18 n1 Jan 70* 60-61
- Kleinman, Chemia J., see Aronson, Irving; *T-MTT v18 n10 Oct 70* 725-731
- Kleinman, Chemia J., see Kalikstein, Kalman; *T-MTT v19 n8 Aug 71* 673-677 (1B03)
- Kline, A. J., see Hickernell, F. S.; *T-MTT v21 n4 Apr 73* 300-302 (3D05)
- Klinger, Max, see Farber, Herman; *T-MTT v13 n1 Jan 65* 28-32
- Klinger, Y., see Ah Sam, E.; *T-MTT v15 n1 Jan 67* 60-61
- Klohn, Kenneth L., Robert E. Horn, Harold Jacobs, and Elmer Freibergs; Silicon waveguide frequency scanning linear array antenna; *T-MTT v26 n10 Oct 78* 764-773 (1E06)
- Klohn, Kenneth L., see Horn, Robert E.; *T-MTT v28 n6 Jun 80* 647-653
- Klopfenstein, Ralph W.; Nonuniform, inhomogeneous, and anisotropic waveguides; *T-MTT v4 n4 Oct 56* 193-196
- Kloza, M.; Application of corner mirrors for ultramicrowave interferometers (Corresp.); *T-MTT v12 n1 Jan 64* 141-142
- Kloza, Marian; On the superheterodyne method of microwave noise measurements (Corresp.); *T-MTT v13 n6 Nov 65* 882-883
- Kneppo, Ivan, and Michal Weis; Measurement of microwave loss tangent by means of microwave resonator bridge (Short p.); *T-MTT v25 n5 May 77* 418-423 (1F08)
- Comments; *T-MTT v26 n4 Apr 78* 314-315 (2A01)
- Kneppo, Ivan; Comparison method of measurement Q of microwave resonators (Short p.); *T-MTT v25 n5 May 77* 423-426 (1F13)
- Kneppo, Ivan, and Jozef Gotzman; Basic parameters of nonsymmetrical coplanar line; *T-MTT v25 n8 Aug 77* 718
- Kneppo, Ivan; Integration method of measuring Q of the microwave resonators (Tech. n.); *T-MTT v26 n2 Feb 78* 131 (1G01)
- Knerr, R. H.; A new type of waveguide-to-stripline transition (Corresp.); *T-MTT v16 n3 Mar 68* 192-194
- Knerr, R. H.; A thin-film lumped-element circulator (Corresp.); *T-MTT v17 n12 Dec 69* 1152-1154
- Knerr, R. H., see Eberhardt, Nikolai; *T-MTT v18 n9 Sep 70* 554-565
- Knerr, Reinhard H., Clare E. Barnes, and Fridolin Bosch; A compact broad-band thin-film lumped-element L -band circulator; *T-MTT v18 n12 Dec 70* 1100-1108
- Knerr, Reinhard H.; A proposed lumped-element switching circulator principle; *T-MTT v20 n6 Jun 72* 396-401 (1F02)
- Knerr, Reinhard H.; An improved equivalent circuit for the thin-film lumped-element circulator; *T-MTT v20 n7 Jul 72* 446-452 (1C12)
- Knerr, Reinhard H.; A 4-GHz lumped-element circulator (Short p.); *T-MTT v21 n3 Mar 73* 150-151 (1D08)
- Knerr, Reinhard H.; A lumped-element circulator without crossovers (Short p.); *T-MTT v22 n5 May 74* 544-548 (2A03)
- Knerr, Reinhard H., and J. H. Murray; Microwave amplifier using several IMPATT diodes in parallel (Short p.); *T-MTT v22 n5 May 74* 569-572 (2B14)
- Knerr, Reinhard H.; An annotated bibliography of microwave circulators and isolators: 1968-1975; *T-MTT v23 n10 Oct 75* 818-825 (1C12)
- Knerr, Reinhard H., Guest ed.; Foreword to special issue; *T-MTT v26 n10 Oct 78* 705 (1A03)
- Kneubühl, F., see Müller, K.; *T-MTT v22 n12 Dec 74* 1119 (2D02)
- Kneubühl, F., see Schötzau, H. J.; *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Kneubühl, F., see Adam, B.; *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Kneubühl, F., see Keller, B.; *T-MTT v22 n12 Dec 74* 1119 (2D02)
- Kneubühl, F., see Stettler, P.; *T-MTT v22 n12 Dec 74* 1119-1120 (2D02)
- Kneubühl, F., see Kälin, R.; *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Knight, D. J. E., see Blaney, T. G.; *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Knight, Stanley P., see Daly, Daniel A.; *T-MTT v15 n12 Dec 67* 713-721
- Knight, Stanley P., see Caulton, Martin; *T-MTT v16 n7 Jul 68* 397-404
- Knight, Stanley P., see Caulton, Martin; *T-MTT v19 n7 Jul 71* 588-599 (1C10)
- Knöchel, R., see Schünemann, K.; *T-MTT v25 n12 Dec 77* 1026-1032 (1E08)
- Knöchel, Reinhard, see Schünemann, Klaus; *T-MTT v26 n3 Mar 78* 147-155 (1A13)
- Knöchel, Reinhard, and Klaus Schünemann; Noise and transfer properties of harmonically synchronized oscillators; *T-MTT v26 n12 Dec 78* 939-944 (1B03)
- Knöchel, Reinhard, K. F. Schünemann, and Burkhard Schiek; Comments on 'The measurement of noise in microwave transmitters'; *T-MTT v27 n1 Jan 79* 84-85 (1G02)
- Knop, C. M., and G. I. Cohn; Comments on 'Pulse waveform degradation due to dispersion in waveguide'; *T-MTT v11 n5 Sep 63* 445-447
- Knop, C. M.; Other comments on 'Pulse waveform degradation due to dispersion in waveguide'; *T-MTT v18 n9 Sep 70* 663-665
- Knoppik, Norbert, see Wolff, Ingo; *T-MTT v22 n10 Oct 74* 857-864 (1A11)
- Knorr, Jeffrey B.; Tensor character of symmetrical waveguide junctions (Corresp.); *T-MTT v19 n4 Apr 71* 414-415 (2C10)
- Knorr, Jeffrey B., and Paul R. McIsaac; A group theoretic investigation of the single-wire helix; *T-MTT v19 n11 Nov 71* 854-861 (1C02)
- Knorr, Jeffrey B., and Juan Saenz; End effect in a shorted slot (Short p.); *T-MTT v21 n9 Sep 73* 579-580 (1B09)
- Knorr, Jeffrey B., and Juan Saenz; The effect of surface metal adhesive on slot-line wavelength (Short p.); *T-MTT v21 n10 Oct 73* 642-644 (1E08)
- Knorr, Jeffrey B.; Slot-line transitions (Short p.); *T-MTT v22 n5 May 74* 548-554 (2A07)
- Knorr, Jeffrey B., and Klaus-Dieter Kuchler; Analysis of coupled slots and coplanar strips on dielectric substrate; *T-MTT v23 n7 Jul 75* 541-548 (1A03)
- Knorr, Jeffrey B., and Ahmet Tufekcioglu; Spectral-domain calculation of microstrip characteristic impedance; *T-MTT v23 n9 Sep 75* 725-728 (1A07)
- Knorr, Jeffrey B., and Paul M. Shayda; Millimeter-wave fin-line characteristics; *T-MTT v28 n7 Jul 80* 737-743
- Knox, Robert M.; 1972 International Microwave Symposium; *T-MTT v20 n12 Dec 72* 794-797 (1B05)
- Knox, Robert M.; Dielectric waveguide microwave integrated circuits—An overview; *T-MTT v24 n11 Nov 76* 806-814 (2C11)
- Kobayashi, Hideki, see Kanmuri, Noboru; *T-MTT v22 n12 Dec 74* 1286-1290 (5A06)
- Kobayashi, Masanori; Green's function in a region with inhomogeneous, isotropic dielectric media (Short p.); *T-MTT v23 n9 Sep 75* 760-762 (1C14)
- Kobayashi, Masanori; Reciprocity theorem for a region with inhomogeneous bianisotropic media and surface impedance (Short p.); *T-MTT v24 n2 Feb 76* 114-116 (1D06)
- Kobayashi, Masanori, and Ryuiti Terakado; General form of Green's function for multilayer microstrip line with rectangular side walls (Ltr.); *T-MTT v24 n9 Sep 76* 626-628 (1F12)
- Kobayashi, Masanori; Analysis of the microstrip and the electrooptic light modulator; *T-MTT v26 n2 Feb 78* 119-126 (1F03)
- Kobayashi, Masanori; Green's function technique for solving anisotropic electrostatic field problems; *T-MTT v26 n7 Jul 78* 510-512 (1D14)
- Kobayashi, Masanori, and Takeshi Sugita; Complex reciprocity theorem for multiregions with piezoelectric media and surface impedance; *T-MTT v27 n4 Apr 79* 343-345 (1D11)

- Kobayashi, Masanori, and Ryuiti Terakado; New view on an anisotropic medium and its application to transformation from anisotropic to isotropic problems; *T-MTT* v27 n9 Sep 79 769-775 (1A03)
- Kobayashi, Masanori, and Ryuiti Terakado; Method for equalizing phase velocities of coupled microstrip lines by using anisotropic substrate; *T-MTT* v28 n7 Jul 80 719-722
- Kobayashi, Masanori, and Ryuiti Terakado; Accurately approximate formula of effective filling fraction for microstrip line with isotropic substrate and its application to the case with anisotropic substrate; *T-MTT* v27 n9 Sep 79 776-778 (1A10)
- Kobayashi, Yoshio, and Shuzo Tanaka; Resonant modes of a dielectric rod resonator short-circuited at both ends by parallel conducting plates; *T-MTT* v28 n10 Oct 80 1077-1085
- Kobe, Ian H., see Baker, Robert J.; *T-MTT* v26 n8 Aug 78 541-545 (1B13)
- Kobus, Mirosław, see Szmigielski, Stanisław; *T-MTT* v26 n8 Aug 78 520-522 (1A06)
- Kodaira, Shinji, see Okamoto, Hiroshi; *T-MTT* v26 n2 Feb 78 136 (1G06)
- Kodaira, Shinji, see Okamoto, Hiroshi; *T-MTT* v26 n8 Aug 78 627-628 (2B01)
- Kodali, V. P., see Arora, R. K.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Kodera, Hiroshi, see Maeda, Minoru; *T-MTT* v23 n8 Aug 75 661-667 (1E03)
- Kogelnik, H., and S. P. Morgan; Equivalence of different integral equations for confocal resonators (Corresp.); *T-MTT* v12 n6 Nov 64 624
- Kogelnik, Herwig; An introduction to integrated optics; *T-MTT* v23 n1 Jan 75 2-16 (1A04)
- Kogo, Hiroshi; Characteristic impedance of split coaxial line (Corresp.); *T-MTT* v7 n3 Jul 59 393-394
- Kogō, Hiroshi; A study of multielement transmission lines; *T-MTT* v8 n2 Mar 60 136-142
- Kogō, Hiroshi; Analysis of split coaxial line type balun (Corresp.); *T-MTT* v8 n2 Mar 60 245-246
- Kohiyama, Kenji, see Yamamoto, Heiichi; *T-MTT* v23 n4 Apr 75 334-341 (1A12)
- Kohl, F., see Gornik, E.; *T-MTT* v22 n12 Dec 74 991-995 (1A13)
- Köhler, J., see Schiek, B.; *T-MTT* v24 n4 Apr 76 231-233 (1E13)
- Köhler, Jürgen, see Schiek, Burkhard; *T-MTT* v25 n8 Aug 77 666-671 (1C10)
- Köhler, Jürgen, see Schiek, Burkhard; *T-MTT* v26 n1 Jan 78 5-7 (1A07)
- Köhler, Jürgen, see Tulaja, Volker; *T-MTT* v26 n9 Sep 78 643-645 (1B03)
- Kohler, Werner E., see Carlin, Herbert J.; *T-MTT* v13 n3 May 65 283-297
- Kohno, Shishu, see Hosono, Toshio; *T-MTT* v7 n3 Jul 59 370-373
- Kobzu, Hideaki, see Irie, Toshiaki; *T-MTT* v24 n6 Jun 76 321-328 (1D05)
- Kokubo, Yoshihiro, see Kawamura, Mitsuo; *T-MTT* v28 n4 Apr 80 430-432
- Kolesov, Yu. I., see Vystavkin, A. N.; *T-MTT* v22 n12 Dec 74 1041-1046 (1E07)
- Kolettis, Nicholas J., and Robert E. Collin; Anisotropic properties of strip-type artificial dielectric; *T-MTT* v9 n5 Sep 61 436-441
- Kolker, Richard A.; The amplitude response of a coupled transmission line, all-pass network having loss; *T-MTT* v15 n8 Aug 67 438-443
- Kollberg, Erik; Optimum pitch of traveling-wave masers (Corresp.); *T-MTT* v14 n4 Apr 66 212-213
- Kollberg, Erik, see Rydbeck, O. E. H.; *T-MTT* v16 n9 Sep 68 799-803
- Kollberg, Erik L., and P. Thomas Lewin; Traveling-wave masers for radio astronomy in the frequency range 20-40 GHz; *T-MTT* v24 n11 Nov 76 718-725 (1C10)
- Kollberg, Erik L., see Hagström, Claes E.; *T-MTT* v28 n8 Aug 80 899-904
- Komaki, Shozo, Osamu Kurita, and Tadashi Memita; GaAs MESFET regenerator for phase-shift keying signals at the carrier frequency; *T-MTT* v24 n6 Jun 76 367-372 (2A01)
- Komarek, Ernest L., and Peter V. Tryon; An application of the power equation concept and automation techniques to precision bolometer unit calibration; *T-MTT* v22 n12 Dec 74 1260-1267 (4E03)
- Komarek, Ernest L.; Performance characteristics of an automated broad-band bolometer unit calibration system; *T-MTT* v25 n12 Dec 77 1122-1127 (2E12)
- Komiak, James, and Herbert J. Carlin; Improved accuracy for commensurate-line synthesis (Short p.); *T-MTT* v24 n4 Apr 76 212-215 (1D08)
- Komiak, James J., see Carlin, Herbert J.; *T-MTT* v27 n2 Feb 79 93-99 (1A03)
- Komiyama, N., see Shimamura, Tadao; *T-MTT* v26 n12 Dec 78 945-951 (1B09)
- Komizo, Hidemitsu, see Ito, Yukio; *T-MTT* v18 n11 Nov 70 890-897
- Komizo, Hidemitsu, see Ito, Yukio; *T-MTT* v19 n12 Dec 71 900-905 (1B08)
- Komizo, Hidemitsu, see Ito, Yukio; *T-MTT* v20 n12 Dec 72 799-805 (1B10)
- Komizo, Hidemitsu, Yoshimasa Daido, Hideo Ashida, Yukio Ito, and Masaji Honma; Improvement of nonlinear distortion in an IMPATT stable amplifier; *T-MTT* v21 n11 Nov 73 721-728 (2C03)
- Komizo, Hidemitsu, see Arai, Youichi; *T-MTT* v24 n6 Jun 76 381-383 (2B01)
- Komm, D. S., see Blanken, R. A.; *T-MTT* v22 n12 Dec 74 1057-1060 (1F09)
- Kompfner, Rudolf, see Kaminow, Ivan P.; *T-MTT* v10 n5 Sep 62 311-313
- Kondo, A., T. Ishii, and K. Shirahata; Simple stabilizing method for solid-state microwave oscillators (Short p.); *T-MTT* v22 n11 Nov 74 970-972 (1E04)
- Kondo, Hidetoshi, see Nagano, Shigemichi; *T-MTT* v18 n11 Nov 70 885-890
- Kondoh, Hiroshi, see Mizushima, Shizuo; *T-MTT* v25 n12 Dec 77 1131-1134 (2F07)
- Kondoh, Hiroshi, see Mizushima, Shizuo; *T-MTT* v28 n12 Dec 80 1428-1432
- Kondoh, Yasuyuki, see Morishita, Katsumi; *T-MTT* v28 n1 Jan 80 33-36
- Kong, Jin A., and David K. Cheng; On guided waves in moving anisotropic media; *T-MTT* v16 n2 Feb 68 99-103
- Kong, Jin Au, see Chu, Ruey-Shi; *T-MTT* v25 n1 Jan 77 18-24 (1B06)
- Kong, Jin Au, see Chew, Weng Cho; *T-MTT* v28 n2 Feb 80 98-104
- Konishi, Yoshihiro; Lumped element Y circulator; *T-MTT* v13 n6 Nov 65 852-864
- Konishi, Yoshihiro; A high-power UHF circulator; *T-MTT* v15 n12 Dec 67 700-708
- Konishi, Yoshihiro, and Norio Hoshino; Design of a new broad-band isolator; *T-MTT* v19 n3 Mar 71 260-269 (1B04)
- Konishi, Yoshihiro, Katsuki Uenakada, Norihiko Yazawa, Norio Hoshino, and Tadashi Takahashi; Simplified 12-GHz low-noise converter with mounted planar circuit in waveguide (Short p.); *T-MTT* v22 n4 Apr 74 451-454 (2C13)
- Konishi, Yoshihiro, and Katsuki Uenakada; The design of a bandpass filter with inductive strip—Planar circuit mounted in waveguide; *T-MTT* v22 n10 Oct 74 869-873 (1B09)
- Konishi, Yoshihiro, Norio Hoshino, and Yozo Utsumi; Resonant frequency of a TE₀₁₈ dielectric resonator (Short p.); *T-MTT* v24 n2 Feb 76 112-114 (1D04)
- Konishi, Yoshihiro; Planar circuit mounted in waveguide used as a downconverter; *T-MTT* v26 n10 Oct 78 716-719 (1A14)
- Konishi, Yoshihiro; 12-GHz-band FM receiver for satellite broadcasting; *T-MTT* v26 n10 Oct 78 720-725 (1B04)
- Konishi, Yoshihiro, and Hajime Matsumura; Short end effect of ridge guide with planar circuit mounted in a waveguide; *T-MTT* v27 n2 Feb 79 168-170 (1F08)
- Kononenko, V. L., see Vavilov, V. S.; *T-MTT* v22 n12 Dec 74 1086-1089 (2A11)
- Konopka, J., see Lewandowski, S. J.; *T-MTT* v8 n2 Mar 60 249-251
- Konrad, A., and P. Silvester; Scalar finite element program package for two-dimensional field problems (Comp. progr. descr.); *T-MTT* v19 n12 Dec 71 952-954 (2B01)
- Konrad, A., see Silvester, P.; *T-MTT* v25 n11 Nov 77 959 (2B02)
- Konrad, Adalbert; Vector variational formulation of electromagnetic fields in anisotropic media; *T-MTT* v24 n9 Sep 76 553-559
- Konrad, Adalbert; High-order triangular finite elements for electromagnetic waves in anisotropic media; *T-MTT* v25 n5 May 77 353-360 (1A13)
- Koontz, Roland F.; Fine grain spectrum analysis of pulsed microwave amplifiers; *T-MTT* v10 n6 Nov 62 440-454
- Koop, W. S., and A. K. Jordan; Design note on an L-band strip-line circulator (Corresp.); *T-MTT* v9 n6 Nov 61 571-572
- Koopman, David W., see Cheung, Augustine Y.; *T-MTT* v24 n10 Oct 76 669-673 (1C13)
- Kopeika, N. S., B. Galore, D. Stempler, and Y. Heimenrath; Commercial glow discharge tubes as detectors of X-band radiation (Short p.); *T-MTT* v23 n10 Oct 75 843-845 (1E09)
- Kopeika, N. S., see Makover, Yaakov; *T-MTT* v26 n1 Jan 78 38-43 (1C12)
- Kopeika, Norman S., Yaakov Makover, and Shmuel Schonbach; IF conversion gain of glow discharge lamps as X-band mixers for high LO power levels; *T-MTT* v27 n3 Mar 79 227-232 (1A13)
- Kopp, Eugene H., and Robert S. Elliott; Coupling between dissimilar waveguides; *T-MTT* v16 n1 Jan 68 6-11
- Korewick, John; Audio modulation substitution system for microwave attenuation measurements; *T-MTT* v1 n1 Mar 53 14-21
- Kornhauser, Edward T., see Wang, Chia Chun; *T-MTT* v10 n3 May 62 161-165
- Kornhauser, Edward T., see Cardama, Angel; *T-MTT* v23 n1 Jan 75 162-169 (2F01)
- Korpel, Adrianus, and V. Ramaswamy; Input conductance of a four-frequency parametric up-converter; *T-MTT* v13 n1 Jan 65 96-106
- Kosta, S. P., see Suryanarayana Rao, K. N.; *T-MTT* v25 n2 Feb 77 164 (1F14)
- Kosugi, Y., and Yoshiyuki Naito; Automatic Rieke diagram drawing system (Short p.); *T-MTT* v20 n12 Dec 72 852-855 (2B06)
- Kott, Michael A., see Cohn, Marvin; *T-MTT* v8 n5 Sep 60 545-552
- Kott, Michael A.; Double-layer matching structures (Corresp.); *T-MTT* v10 n5 Sep 62 401
- Kotyczka, Willi, see Baechtold, Werner; *T-MTT* v17 n8 Aug 69 614-619
- Kotyczka, Willi, see Hartmann, Karl; *T-MTT* v20 n2 Feb 72 120-126 (1D10)
- Kotzebue, Kenneth L., see Hylltin, Tom M.; *T-MTT* v9 n1 Jan 61 73-78
- Kotzebue, Kenneth L.; Frequency-selective limiting; *T-MTT* v10 n6 Nov 62 516-520
- Kotzebue, Kenneth L., and Lee B. Fletcher; A ferrimagnetically-tuned parametric amplifier; *T-MTT* v13 n6 Nov 65 773-776
- Kotzebue, Kenneth L., and George L. Matthaei; The design of broad-band frequency doublers using charge-storage diodes; *T-MTT* v17 n12 Dec 69 1077-1086
- Kotzebue, Kenneth L.; A quasi-linear approach to the design of microwave transistor power amplifiers (Short p.); *T-MTT* v24 n12 Dec 76 975-978 (2A04)
- Kotzebue, Kenneth L.; Microwave amplifier design with potentially unstable FET's; *T-MTT* v27 n1 Jan 79 1-3 (1A03)
- Kouno, Tsutomu, see Arai, Youichi; *T-MTT* v24 n6 Jun 76 381-383 (2B01)
- Koyama, Jiro, see Masuda, Masamitsu; *T-MTT* v25 n9 Sep 77 773-776 (1E01)
- Koyama, Masaki, and Kunio Hashimoto; Randomly imperfect waveguides for millimeter and submillimeter wavelengths for long-distance transmission applications; *T-MTT* v23 n7 Jul 75 561-565 (1B09)
- Koyama, Masaki, see Shindo, Shuichi; *T-MTT* v24 n12 Dec 76 953-958 (1D13)
- Koyama, T., see Araki, K.; *T-MTT* v23 n3 Mar 75 321 (1D13)
- Koyama, Tetsu, see Araki, Kiyomichi; *T-MTT* v24 n8 Aug 76 491-498 (1A03)
- Koyano, Yoshiomi, see Papp, James C.; *T-MTT* v28 n7 Jul 80 762-767
- Kozemchak, Edward B., see Murray-Lasso, Marco A.; *T-MTT* v17 n8 Aug 69 514-526
- Kpodzo, Elias, Klaus Schünemann, and Günther Begemann; A quadruphase fin-line modulator; *T-MTT* v28 n7 Jul 80 747-752
- Krage, Mark K., and George I. Haddad; The characteristic impedance and coupling coefficient of coupled rectangular strips in a waveguide; *T-MTT* v16 n5 May 68 302-307
- Krage, Mark K., and George I. Haddad; Characteristics of coupled microstrip transmission lines—Part I: Coupled-mode formulation of inhomogeneous lines; *T-MTT* v18 n4 Apr 70 217-222
- Krage, Mark K., and George I. Haddad; Characteristics of coupled microstrip transmission lines—Part II: Evaluation of coupled-line parameters; *T-MTT* v18 n4 Apr 70 222-228
- Krage, Mark K., and George I. Haddad; Frequency-dependent characteristics of microstrip transmission lines; *T-MTT* v20 n10 Oct 72 678-688 (1E10)
- Kraker, David L.; Asymmetric coupled-transmission-line magic-T; *T-MTT* v12 n6 Nov 64 595-597
- Kramer, Piroška O., see Guy, Arthur W.; *T-MTT* v23 n6 Jun 75 492-498 (1C06)
- Kramer, Arnold G., see Kelley, Douglas; *T-MTT* v16 n8 Aug 68 560-562
- Kramer, Bernard M., A. C. Derycke, A. Farayre, and C. F. Masse; High-efficiency frequency multiplication with GaAs avalanche diodes (Corresp.); *T-MTT* v24 n11 Nov 76 861-863 (3A09)
- Kramer, C.; Digitized antenna measurements of the directive gain (Computer program descr.); *T-MTT* v20 n1 Jan 72 83 (2D06)
- Kramer, Corstiaan, see Dijk, Jakob; *T-MTT* v20 n1 Jan 72 48-51 (1F02)
- Kramer, Emanuel, see Rutz, Elisabeth M.; *T-MTT* v10 n6 Nov 62 605-610
- Kramer, Emanuel, see Rutz-Philipp, Elisabeth M.; *T-MTT* v11 n5 Sep 63 420-426
- Kramer, N. B.; Millimeter-wave semiconductor devices; *T-MTT* v24 n11 Nov 76 685-693 (1A05)
- Kraszewski, Andrzej, see Stuchly, Stanisław; *T-MTT* v13 n3 May 65 379-380
- Kraszewski, Andrzej; Some experimental results on the X-band junction circulator (Corresp.); *T-MTT* v13 n3 May 65 382-383
- Krauss, H. L., see Allen, C. W.; *T-MTT* v24 n5 May 76 267-269 (1C05)
- Kremer, P. C., see Dmitrevsky, S.; *T-MTT* v21 n6 Jun 73 426-427 (2C03)
- Kretschmar, Jan G.; Wave propagation in hollow conducting elliptical waveguides; *T-MTT* v18 n9 Sep 70 547-554
- Kretschmar, Jan G.; Attenuation characteristics of hollow conducting elliptical waveguides; *T-MTT* v20 n4 Apr 72 280-284 (1E02)
- Comments by Falciaecca, G., et al., Mar 73 154
- Kretschmar, Jan G.; Theoretical results for the elliptic microstrip resonator (Short p.); *T-MTT* v20 n5 May 72 342-343 (1F01)
- Krey, A. K., see Larsen, Lawrence E.; *T-MTT* v26 n8 Aug 78 581-595 (1E11)
- Krokstad, Jarle; A ferrimagnetic microwave power limiter; *T-MTT* v13 n1 Jan 65 119-122
- Kroll, Norman M., see Bernstein, M. J.; *T-MTT* v2 n3 Sep 54 33-37

- Kroll, Norman M., see Krongelb, Sol; *T-MTT v10 n4 Jul 62* 236-251
- Krongard, Robert R., see Champlin, Keith S.; *T-MTT v9 n6 Nov 61* 545-551
- Krongelb, Sol, James J. McNichol, and Norman M. Kroll; The application of hypercomplex matrix analysis to variable parameter networks; *T-MTT v10 n4 Jul 62* 236-251
- Kronheim, S., see Brown, F.; *T-MTT v22 n12 Dec 74* 1117 (2C14)
- Krowne, Clifford M., see Alexopoulos, Nicolaos G.; *T-MTT v26 n6 Jun 78* 387-393 (1A09)
- Krueger, W. F., see Giarola, Attilio J.; *T-MTT v22 n4 Apr 74* 432-437 (2B08)
- Krumm, Charles F., see Dobratz, Burton E.; *T-MTT v28 n5 May 80* 486-490
- Krupke, William F., Thomas S. Hartwick, and Max T. Weiss; Solid-state X-band power limiter; *T-MTT v9 n6 Nov 61* 472-480
- Kruppa, W., and Kenneth F. Sodomsky; An explicit solution for the scattering parameters of a linear two-port measured with an imperfect test set (Corresp.); *T-MTT v19 n1 Jan 71* 122-123 (2B11)
- Ku, Walter H., and Ernst F. Scherer; Gain-bandwidth optimization of avalanche-diode amplifiers; *T-MTT v18 n11 Nov 70* 932-942
- Ku, Walter H., see Wu, You-Sun; *T-MTT v24 n2 Feb 76* 69-77 (1A03)
- Ku, Walter H., see Mokari-Bolhassan, M. E.; *T-MTT v25 n10 Oct 77* 837-847 (1C05)
- Ku, Walter H., see Mokari-Bolhassan, M. E.; *T-MTT v25 n10 Oct 77* 848-852 (1D02)
- Kuchler, Klaus-Dieter, see Knorr, Jeffrey B.; *T-MTT v23 n7 Jul 75* 541-548 (1A03)
- Kudo, Masahiko, see Okajima, Toru; *T-MTT v20 n12 Dec 72* 812-819 (1C11)
- Kuenzi, Klaus, and Erwin Schanda; A microwave scanning radiometer (Corresp.); *T-MTT v16 n9 Sep 68* 789-791
- Kuester, Edward F., and David C. Chang; Propagation, attenuation, and dispersion characteristics of inhomogeneous dielectric slab waveguides; *T-MTT v23 n1 Jan 75* 98-106 (2A07)
- Kuester, Edward F., and David C. Chang; Nondegenerate surface-wave mode coupling between dielectric waveguides; *T-MTT v23 n11 Nov 75* 877-882 (1B13)
- Kuester, Edward F., and David C. Chang; Single-mode pulse dispersion in optical waveguides; *T-MTT v23 n11 Nov 75* 882-887 (1C04)
- Kuester, Edward F., and David C. Chang; Propagating modes along a thin wire located above a grounded dielectric slab; *T-MTT v25 n12 Dec 77* 1065-1069 (2A11)
- Kuester, Edward F., and David C. Chang; Appraisal of methods for computation of the dispersion characteristics of open microstrip; *T-MTT v27 n7 Jul 79* 691-694 (1E09)
- Kuester, Edward F., and David B. Seidel; Low-frequency behavior of the propagation constant along a thin wire in an arbitrarily shaped mine tunnel; *T-MTT v27 n8 Aug 79* 736-741 (1B08)
- Kuester, Edward F., and David C. Chang; Closed-form expressions for the current or charge distribution on parallel strips or microstrip; *T-MTT v28 n3 Mar 80* 254-259. Addendum, Oct 80 1143
- Kuester, Edward F., and David C. Chang; Theory of dispersion in microstrip of arbitrary width; *T-MTT v28 n3 Mar 80* 259-265
- Kuhlman, Louis J., Jr., see Hornbuckle, Derry P.; *T-MTT v24 n6 Jun 76* 338-342 (1E08)
- Kulasza, N., see Ruehli, A. E.; *T-MTT v23 n8 Aug 75* 706-708 (2A10)
- Kulke, Bernhard; On changing the coupling into a microwave cavity by means of a stub tuner (Corresp.); *T-MTT v15 n3 Mar 67* 184-185
- Kumagai, Nobuaki, and Hei-ichi Yamamoto; Generalized solutions for optical maser amplifiers; *T-MTT v13 n4 Jul 65* 445-451
- Kumagai, Nobuaki; Microwaves at Japanese universities (Corresp.); *T-MTT v14 n12 Dec 66* 694-696
- Kumagai, Nobuaki see Fujioka, H.; *T-MTT v15 n4 Apr 67* 265-267
- Kumagai, Nobuaki, see Satomura, Yutaka; *T-MTT v22 n2 Feb 74* 86-92 (1A08)
- Kumagai, Nobuaki, see Matsuhara, Masanori; *T-MTT v22 n4 Apr 74* 378-382 (1B14)
- Kumagai, Nobuaki, see Bhattacharyya, Tushar; *T-MTT v24 n4 Apr 76* 226-230 (1E08)
- Kumagai, Nobuaki, see Sawa, Shinnosuke; *T-MTT v24 n7 Jul 76* 441-455 (1D09)
- Kumagai, Nobuaki, see Tsutsumi, Makoto; *T-MTT v24 n9 Sep 76* 591-597 (1D05)
- Kumagai, Nobuaki, see Morishita, Katsumi; *T-MTT v25 n1 Jan 77* 34-40 (1C08)
- Kumagai, Nobuaki, see Tsutsumi, Makoto; *T-MTT v25 n3 Mar 77* 224-228. Correction, May 78 374 (1E02)
- Kumagai, Nobuaki, see Kitayama, Kenichi; *T-MTT v25 n7 Jul 77* 567-572 (1A03)
- Kumagai, Nobuaki, see Geshiro, Masahiro; *T-MTT v26 n2 Feb 78* 115-119 (1E13)
- Kumagai, Nobuaki, see Morishita, Katsumi; *T-MTT v26 n9 Sep 78* 684-689 (1E02)
- Kumagai, Nobuaki, see Masaki, Yoshifumi; *T-MTT v26 n11 Nov 78* 852-855 (1A10)
- Kumagai, Nobuaki, see Morishita, Katsumi; *T-MTT v27 n4 Apr 79* 310-315 (1B06)
- Kumagai, Nobuaki, see Morishita, Katsumi; *T-MTT v28 n1 Jan 80* 33-36
- Kumagai, Nobuaki, see Morita, Nagayoshi; *T-MTT v28 n2 Feb 80* 137-141
- Kumagai, Nobuaki, see Tsutsumi, Makoto; *T-MTT v28 n6 Jun 80* 627-632
- Kumar, Anil, see Srivastava, G. P.; *T-MTT v24 n1 Jan 76* 56-57 (1E02)
- Kumar, Mahesh, and B. N. Das; Coupled transmission lines; *T-MTT v25 n1 Jan 77* 7-10. Correction, Nov 77 958 (1A09)
- Kumar, Mahesh, and M. G. Sharma; Comments on 'Aperture coupling between microstrip and resonant cavities'; *T-MTT v26 n9 Sep 78* 690-691 (1E08)
- Kumar, Ramesh C.; Ferrite-junction circulator bibliography; *T-MTT v18 n9 Sep 70* 524-530
- Kumazawa, Hiroyuki, and Isao Ohtomo; 30-GHz band periodic branching filter using a traveling-wave resonator for satellite applications; *T-MTT v25 n8 Aug 77* 683-687 (1D13)
- Kunieda, Hiroaki; Simplified equivalent representations for multicoupled lines and their application to filter design; *T-MTT v28 n8 Aug 80* 852-857
- Kuno, H. J., and W. D. Hersberger; Solid-state plasma controlled nonreciprocal microwave device (Corresp.); *T-MTT v15 n1 Jan 67* 57-58
- Kuno, H. J., and W. D. Hersberger; Microwave Faraday effect and propagation in a circular solid-state plasma waveguide (Corresp.); *T-MTT v16 n10 Oct 68* 895
- Kuno, H. J.; Analysis of nonlinear characteristics and transient response of IMPATT diode amplifiers; *T-MTT v21 n11 Nov 73* 694-702 (1E04)
- Kuno, H. J., and David L. English; Nonlinear and large-signal characteristics of millimeter-wave IMPATT diode amplifiers; *T-MTT v21 n11 Nov 73* 703-706 (1F01)
- Kuno, H. J., see Chang, Yu-Wen; *T-MTT v23 n6 Jun 75* 470-477 (1A12)
- Kuno, H. J., and David L. English; Nonlinear and intermodulation characteristics of millimeter-wave IMPATT amplifiers; *T-MTT v24 n11 Nov 76* 744-751 (1E08)
- Kuno, H. J., and David L. English; Millimeter-wave IMPATT power amplifier/combiner; *T-MTT v24 n11 Nov 76* 758-767 (1F08)
- Kuno, H. J., see Fong, T. T.; *T-MTT v27 n5 May 79* 492-499 (2C05)
- Kuno, H. J., Guest ed.; Foreword—Special issue on millimeter waves: Circuits, components, and systems; *T-MTT v24 n11 Nov 76* 683-684 (1A03)
- Kuno, H. J., Guest ed., see Berson, Bert, Guest ed.; *T-MTT v27 n5 May 79* 365-366 (1A03)
- Kuno, Hiromu J., and W. D. Hersberger; Microwave Faraday effect and propagation in a circular solid-state plasma waveguide; *T-MTT v15 n12 Dec 67* 661-668
- Kunz, L. W., and J. M. J. Madey; A fast sensitive GaAs photoconductor system with a cryogenic preamplifier (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Kuramoto, Minoru, see Nakamura, Makoto; *T-MTT v26 n5 May 78* 354-356 (1C08)
- Kurauchi, Noritaka, see Nakahara, Tsuneo; *T-MTT v15 n2 Feb 67* 66-71
- Kurebayashi, Hidetoshi, see Nakahara, Shojiro; *T-MTT v18 n12 Dec 70* 1048-1051
- Kurebayashi, Hidetoshi, see Mizobuchi, Akihito; *T-MTT v26 n12 Dec 78* 1012-1016 (1G06)
- Kurita, Osamu, and Kozo Morita; Microwave MESFET mixer; *T-MTT v24 n6 Jun 76* 361-366 (1G03)
- Kurita, Osamu, see Komaki, Shozo; *T-MTT v24 n6 Jun 76* 367-372 (2A01)
- Kurita, Osamu, see Suzuki, Hiroshi; *T-MTT v28 n6 Jun 80* 632-638
- Kurokawa, K., and E. E. Becker; Laser fiber coupling with a hyperbolic lens (Short p.); *T-MTT v23 n3 Mar 75* 309-311 (1D01)
- Kurokawa, Kaneyuki; The expansions of electromagnetic fields in cavities; *T-MTT v6 n2 Apr 58* 178-187
- Kurokawa, Kaneyuki, and Jōji Hamasaki; Mode theory of lossless periodically distributed parametric amplifiers; *T-MTT v7 n3 Jul 59* 360-365
- Kurokawa, Kaneyuki, and Jōji Hamasaki; An extension of the mode theory to periodically distributed parametric amplifiers with losses; *T-MTT v8 n1 Jan 60* 10-17
- Kurokawa, Kaneyuki; Electromagnetic waves in waveguides with wall impedance; *T-MTT v10 n5 Sep 62* 314-320
- Kurokawa, Kaneyuki; Power waves and the scattering matrix; *T-MTT v13 n2 Mar 65* 194-202
- Kurokawa, Kaneyuki; Noise in synchronized oscillators; *T-MTT v16 n4 Apr 68* 234-240
- Kurokawa, Kaneyuki; An analysis of Rucker's multidevice symmetrical oscillator (Corresp.); *T-MTT v18 n11 Nov 70* 967-969
- Kurokawa, Kaneyuki; The single-cavity multiple-device oscillator; *T-MTT v19 n10 Oct 71* 793-801 (1B03)
- Kurokawa, Kaneyuki, see Schlosser, Wolfgang O.; *T-MTT v20 n9 Sep 72* 614-616 (2B01)
- Kurokawa, Teruo, see Hayasi, Syuiti; *T-MTT v10 n3 May 62* 185-190
- Kurpis, G., and J. Taub; X to K band broadband varactor frequency doubler (Corresp.); *T-MTT v14 n2 Feb 66* 94
- Kurpis, G. P., see Taub, J. J.; *T-MTT v12 n6 Nov 64* 618-619
- Kurpis, G. P., see Taub, J. J.; *T-MTT v17 n7 Jul 69* 406-408
- Kurpis, G. P., and J. J. Taub; Wide-band X-band microstrip image rejection balanced mixer (Corresp.); *T-MTT v18 n12 Dec 70* 1181-1182
- Kurtz, Clark N., and William Streifer; Guided waves in inhomogeneous focusing media—Part I: Formulation, solution for quadratic inhomogeneity; *T-MTT v17 n1 Jan 69* 11-15
- Kurtz, Clark N., and William Streifer; Guided waves in inhomogeneous focusing media—Part II: Asymptotic solution for general weak inhomogeneity; *T-MTT v17 n5 May 69* 250-253
- Kurtz, Clark N., and William Streifer; Guided waves in inhomogeneous focusing media—Part III: Wall effects, losses, and the transition from fast to slow waves; *T-MTT v17 n7 Jul 69* 360-363
- Kurzrok, R. M.; VSWR of broad-band waveguide series-T junction (Corresp.); *T-MTT v11 n5 Sep 63* 452
- Kurzrok, R. M.; General four-resonator filters at microwave frequencies (Corresp.); *T-MTT v14 n6 Jun 66* 295-296. Correction, Oct 66 498
- Kurzrok, R. M.; Design of comb-line band-pass filters (Corresp.); *T-MTT v14 n7 Jul 66* 351-353
- Kurzrok, R. M.; Isolation of lossy transmission line hybrid circuits (Corresp.); *T-MTT v15 n2 Feb 67* 127-128
- Comments, *T-MTT v16 n1 Jan 68* 53
- Comments, *T-MTT v15 n11 Nov 67* 652-653
- Kurzrok, R. M.; Comments on loaded Q of a waveguide cavity resonator (Corresp.); *T-MTT v15 n3 Mar 67* 192-193
- Kurzrok, R. M.; Additional considerations in comb-line bandpass filter interstage couplings (Corresp.); *T-MTT v15 n4 Apr 67* 262-263
- Kurzrok, R. M.; Frequency behavior of post-coupled TEM comb-line resonators (Corresp.); *T-MTT v16 n10 Oct 68* 888-889
- Kurzrok, Richard M.; Comments on 'Some notes on strip transmission line and waveguide multiplexers'; *T-MTT v7 n4 Oct 59* 475
- Kurzrok, Richard M.; Comments on 'The design of ridged waveguide' (Corresp.); *T-MTT v8 n3 May 60* 377
- Kurzrok, Richard M.; Design of interstage coupling apertures for narrow-band tunable coaxial band-pass filters (Corresp.); *T-MTT v10 n2 Mar 62* 143-144
- Kurzrok, Richard M.; Pass-band VSWR of maximally flat band-pass filters (Corresp.); *T-MTT v10 n2 Mar 62* 145
- Kurzrok, Richard M.; Direct coupled coaxial and waveguide band-pass filters (Corresp.); *T-MTT v10 n3 May 62* 218-219
- Kurzrok, Richard M.; Couplings in direct-coupled waveguide band-pass filters (Corresp.); *T-MTT v10 n5 Sep 62* 389-390
- Kurzrok, Richard M.; General three-resonator filters in waveguide (Corresp.); *T-MTT v14 n1 Jan 66* 46-47
- Kusakawa, Hirotosugu, see Yokoyama, Naoki; *T-MTT v28 n5 May 80* 483-486
- Kut'ko, V. I., see Eremenko, V. V.; *T-MTT v22 n12 Dec 74* 1069-1072 (1G07)
- Kuvás, Reidar L.; Noise in single-frequency oscillators and amplifiers; *T-MTT v21 n3 Mar 73* 127-134 (1B09)
- Kuvás, Reidar L., see Higgins, J. A.; *T-MTT v28 n1 Jan 80* 9-17
- Kuwahara, Nobuo, see Mizushima, Shizuo; *T-MTT v25 n12 Dec 77* 1131-1134 (2F07)
- Kuwahara, Hideo, Joji Hamasaki, and S. Saito; Power transfer of a parallel optical fiber directional coupler (Ltr.); *T-MTT v23 n1 Jan 75* 178-179 (2G03)
- Kuwahara, Hideo, Joji Hamasaki, and S. Saito; A semi-transparent mirror-type directional coupler for optical fiber applications (Ltr.); *T-MTT v23 n1 Jan 75* 179-180 (2G04)
- Kuwamoto, Yoshitomo, see Chiba, Jiro; *T-MTT v26 n6 Jun 78* 439-443 (1E05)
- Kuzuya, Ryoji, see Yamashita, Eikichi; *T-MTT v28 n9 Sep 80* 986-990
- Kvaerna, Y., see Henoch, B.; *T-MTT v10 n5 Sep 62* 397-398
- Kwok, Siang Ping, and Kenneth P. Weller; Low cost X-band MIC BARITT Doppler sensor; *T-MTT v27 n10 Oct 79* 844-847 (1B08)

- Kyhl, R. L.; The use of non-Euclidean geometry in measurements of periodically loaded transmission lines; *T-MTT* v4 n2 Apr 56 111-115
- Kyhl, R. L.; Plotting impedances with negative resistive components (Corresp.); *T-MTT* v8 n3 May 60 377
- Comments, *T-MTT* v8 n6 Nov 60 668
- Kyuzaki, Tsutomu, see Kitahara, Yuji; *T-MTT* v22 n12 Dec 74 1305-1308 (5B11)

L

- Lacey, S. D., B. T. Hughes, and J. C. Vokes; A low-noise room-temperature 12-GHz parametric amplifier (Short p.); *T-MTT* v22 n12 Dec 74 1329-1331 (5D07)
- Lacklison, D. E., and M. F. Lewis; Parametric amplification of magneto-elastic waves at room temperature (Corresp.); *T-MTT* v16 n11 Nov 68 951-952
- LaCombe, David; A multioctave microstrip 50- termination (Short p.); *T-MTT* v20 n4 Apr 72 290-292 (1E12)
- LaCombe, David, and Jerome Cohen; Octave-band microstrip dc blocks (Short p.); *T-MTT* v20 n8 Aug 72 555-556 (2B10)
- LaCombe, David, see Waugh, Raymond; *T-MTT* v20 n11 Nov 72 777-779 (2B08)
- Lacy, Peter; A versatile phase measurement method for transmission-line networks (Corresp.); *T-MTT* v9 n6 Nov 61 568-569
- Ladbrooke, P. H., M. H. N. Potok, and E. H. England; Coupling errors in cavity-resonance measurements on MIC dielectrics (Short p.); *T-MTT* v21 n8 Aug 73 560-562 (2C06)
- Ladbrooke, P. H., M. H. N. Potok, and E. H. England; Comments on 'A quick accurate method to measure the dielectric constant of microwave integrated-circuit substrates' by Howell, J. Q.; *T-MTT* v21 n8 Aug 73 570-571
- Ladbrooke, P. H., see Aitken, J. E.; *T-MTT* v23 n6 Jun 75 526-529 (1E12)
- Ladbrooke, P. H.; Some effects of field perturbation upon cavity-resonance and dispersion measurements on MIC dielectrics; *T-MTT* v25 n11 Nov 77 892-903 (1B14)
- Lagasse, Paul, and Jean Van Bladel; Square and rectangular waveguides with rounded corners; *T-MTT* v20 n5 May 72 331-337 (1E02)
- Lagasse, Paul E., Iain M. Mason, and Eric A. Ash; Acoustic surface waveguides—Analysis and assessment; *T-MTT* v21 n4 Apr 73 225-236 (2B10)
- Lagerlöf, Rolf O. E.; End effects of half-wave stripline resonators (Short p.); *T-MTT* v21 n5 May 73 351-353 (1E05)
- Lagerlöf, Rolf O. E.; Ridged waveguide for planar microwave circuits (Short p.); *T-MTT* v21 n7 Jul 73 499-501 (2C06)
- Lai, Brian C. H., and Charles A. Goben; Surface electromagnetic wave field strength measurements on railroad tracks; *T-MTT* v28 n8 Aug 80 919-924
- Lai, Ping-Kwong, Charles A. Cain, and Howard S. Ducoff; Interaction between 2450-MHz microwaves and ionizing radiation in tribolium confusum; *T-MTT* v26 n8 Aug 78 530-534 (1B02)
- Lakin, Kenneth M., and H. J. Shaw; Surface wave delay line amplifiers; *T-MTT* v17 n11 Nov 69 912-920
- Lakin, Kenneth M.; Electrode resistance effects in interdigital transducers; *T-MTT* v22 n4 Apr 74 418-424 (2A08)
- Lakin, Kenneth M., David W. T. Mih, and Robert M. Tarr; A new interdigital electrode transducer geometry; *T-MTT* v22 n8 Aug 74 763-768 (1A09)
- Lakshminarayana, Mysore R., Larry D. Partain, and W. Allan Cook; Simple microwave technique for independent measurement of sample size and dielectric constant with results for a Gunn oscillator system; *T-MTT* v27 n7 Jul 79 661-665 (1C07)
- Lally, J. F., and R. R. Ciechoski; A wide stop band UHF coaxial band-pass filter (Corresp.); *T-MTT* v11 n5 Sep 63 452
- Laloux, Auguste A., see Vander Vorst, André S.; *T-MTT* v17 n8 Aug 69 454-460. Correction, Jul 70 412
- Laloux, Auguste A., René J. M. Govaerts, and André S. Vander Vorst; Application of a variation-iteration method to waveguides with inhomogeneous lossy loads; *T-MTT* v22 n3 Mar 74 229-236 (1F09)
- Laloux, Auguste A., see Delogne, Paul P.; *T-MTT* v28 n10 Oct 80 1102-1107
- Lamain, H., see Buzzi, J. M.; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- Lamensdorf, David, see Nicolson, A. Murray; *T-MTT* v20 n1 Jan 72 3-9. Correction, Oct 72 707 (1B05)
- Lampariello, Paolo, and Roberto Sorrentino; The ZEPLS program for solving characteristic equations of electromagnetic structures (Computer program descr.); *T-MTT* v23 n5 May 75 457-458 (1E03)
- Lampariello, Paolo, see Bardati, Fernando; *T-MTT* v27 n7 Jul 79 679-688 (1D11)
- Lampe, M., E. Ott, W. M. Manheimer, and S. Kainer; Submillimeter-wave production by upshifted reflection from a moving ionization front; *T-MTT* v25 n6 Jun 77 556-558 (2C01)
- Lanciani, D. A.; H₀₁ mode circular waveguide components; *T-MTT* v2 n2 Jul 54 45-51
- Landauer, R.; Dispersion of nonlinear elements as a source of electromagnetic shock structure (Ltr.); *T-MTT* v23 n5 May 75 452-453
- Comments by Karbowiak, A. E., and Freeman, R. H., May 75 453-454
- Comments, *T-MTT* v23 n5 May 75 453-454 (1D13)
- Landes, Hugh S., see Ramey, Robert L.; *T-MTT* v18 n4 Apr 70 196-204
- Landry, D. H., and W. C. Passaro; A four-bit latching ferrite switch (Corresp.); *T-MTT* v13 n6 Nov 65 866-867
- Landry, E. F., see McCarter, R. S.; *T-MTT* v9 n3 May 61 271
- Landry, E. F., see Boxer, A. S.; *T-MTT* v9 n6 Nov 61 577
- Landry, Norman R., Hunter C. Goodrich, Henry F. Inacker, and Louis J. Lavedan Jr.; Practical aspects of phase-shifter and driver design for a tactical multifunction phased-array radar system; *T-MTT* v22 n6 Jun 74 617-625 (1C03)
- Lane, J. A.; Resistive-film calorimeters for microwave power measurement (Corresp.); *T-MTT* v7 n1 Jan 59 177
- Lane, J. A., see Saxton, J. A.; *T-MTT* v18 n4 Apr 70 230
- Lange, J.; Oscillator noise cancellation in hybrid mixers (Corresp.); *T-MTT* v16 n6 Jun 68 368-369
- Lange, J. H., Jr., and B. E. Rose; A Y to Δ transformation of a three-way hybrid junction (Corresp.); *T-MTT* v17 n10 Oct 69 789-790
- Lange, Julius; Interdigitated stripline quadrature hybrid (Corresp.); *T-MTT* v17 n12 Dec 69 1150-1151
- Langmann, Ulrich K., see Barabas, Udo; *T-MTT* v24 n12 Dec 76 929-935 (1C03)
- Lapson, L., see Goldie, H.; *T-MTT* v12 n1 Jan 64 143-144
- Large, D. B.; A note on the phase velocity in continuously loaded coaxial cables (Corresp.); *T-MTT* v13 n2 Mar 65 243
- LaRivière, Hugh J. A., and J. Brian Davies; The solution of electromagnetic eigenvalue problems by least squares boundary residuals (Short p.); *T-MTT* v23 n5 May 75 436-441 (1C10)
- LaRosa, R., and C. F. Vasile; Comments on excitation of spin waves by wire arrays (Corresp.); *T-MTT* v14 n10 Oct 66 495-496. Correction, Feb 67 136
- Larrabee, Robert D.; Characteristics of waveguides with a semiconductor side wall; *T-MTT* v14 n7 Jul 66 306-310
- Larrabee, Robert D., and W. A. Hicinbotham Jr.; A laminar slow-wave coupler and its application to indium antimonide (Corresp.); *T-MTT* v15 n6 Jun 67 382-384
- Larrick, Roderic B., see Schiffman, Bernard M.; *T-MTT* v12 n2 Mar 64 155-163
- Larrick, Roderic B., see Schiffman, Bernard M.; *T-MTT* v13 n4 Jul 65 427-431
- Larrick, Roderic B., see Liechti, Charles A.; *T-MTT* v24 n6 Jun 76 376-381 (2A10)
- Larsen, Lawrence E., Robert Avery Moore, and John Acevedo; A microwave decoupled brain-temperature transducer; *T-MTT* v22 n4 Apr 74 438-444 (2B14)
- Larsen, Lawrence E., Robert Avery Moore, and John Acevedo; A microwave decoupled electrode for the electroencephalogram (Short p.); *T-MTT* v22 n10 Oct 74 884-887 (1C10)
- Larsen, Lawrence E., John H. Jacobi, and A. K. Krey; Preliminary observations with an electromagnetic method for the noninvasive analysis of cell suspension physiology and induced pathophysiology; *T-MTT* v26 n8 Aug 78 581-595 (1E11)
- Larsen, Lawrence E., see Jacobi, John H.; *T-MTT* v27 n1 Jan 79 70-78 (1F02)
- Larsen, Lawrence E., Robert A. Moore, John H. Jacobi, F. A. Halgas, and P. V. Brown; A microwave compatible MIC temperature electrode for use in biological dielectrics; *T-MTT* v27 n7 Jul 79 673-679 (1D05)
- Larsen, Lawrence E., see Brown, Peter V. K.; *T-MTT* v28 n10 Oct 80 1126-1133
- Larsen, Tove; A survey of the theory of wire grids; *T-MTT* v10 n3 May 62 191-201
- Larsen, Tove; On the relation between modes in rectangular, elliptical, and parabolic waveguides and a mode-classifying system; *T-MTT* v20 n6 Jun 72 379-384 (1D09)
- Larson, John D., Thomas M. Reeder, and Donald K. Winslow; Effect of top electrode thickness on the performance of microwave acoustic transducers; *T-MTT* v18 n9 Sep 70 602-608
- Larson, Wilbur; Inline waveguide attenuator (Corresp.); *T-MTT* v12 n3 May 64 367-368
- Larson, Wilbur, R. F. Desch, and B. F. Gillard; Further analysis of the off-null versus power ratio method of attenuation measurement (Corresp.); *T-MTT* v18 n2 Feb 70 112-113
- LaRussa, F., see Wilkinson, E. J.; *T-MTT* v10 n5 Sep 62 390-391
- LaRussa, F. J., see Mailloux, R. J.; *T-MTT* v16 n2 Feb 68 129-130
- Lashinsky, H., see Danos, M.; *T-MTT* v2 n3 Sep 54 21-22
- Lashinsky, Herbert; Analogous propagation modes in inhomogeneous plasma and tapered waveguide (Corresp.); *T-MTT* v12 n2 Mar 64 256-258
- Laton, Richard W., and George I. Haddad; Characteristics of IMPATT-diode reflection amplifiers; *T-MTT* v21 n11 Nov 73 668-680 (1C02)
- Laton, Richard W., see Greiling, Paul T.; *T-MTT* v22 n12 Dec 74 1140-1145 (3B08)
- Laughlin, Gordon J.; ARRAY 1: Calculation of the active transmit impedance for a phased-array antenna of lossless elements; *T-MTT* v18 n9 Sep 70 666-667
- Laughlin, Gordon J.; ARRAY 2: Calculation of the active transmit impedance for a phased-array antenna simulated in waveguide; *T-MTT* v18 n9 Sep 70 667-669
- Laughlin, Gordon J.; A new impedance-matched wide-band balun and magic tee; *T-MTT* v24 n3 Mar 76 135-141 (1A09)
- Laura, P. A., see Chi, M.; *T-MTT* v12 n2 Mar 64 248-249
- Laura, P. A.; Application of the point-matching method in waveguide problems (Corresp.); *T-MTT* v14 n5 May 66 251
- Laura, P. A. A., and L. E. Luisoni; Approximate determination of the characteristic impedance of the coaxial system consisting of a regular polygon concentric with a circle (Ltr.); *T-MTT* v25 n2 Feb 77 160-161 (1F10)
- Laura, P. A. A., and L. E. Luisoni; An application of conformal mapping to the determination of the characteristic impedance of a class of coaxial systems (Ltr.); *T-MTT* v25 n2 Feb 77 162-163 (1F12)
- Laura, Patricio A.; The solution of Helmholtz equation in elliptical domains (Short p.); *T-MTT* v20 n4 Apr 72 292 (1F02)
- Laura, Patricio A. A., Kosuke Nagaya, and Gustavo Sanchez Sarmiento; Numerical experiments on the determination of cutoff frequencies of waveguides of arbitrary cross section; *T-MTT* v28 n6 Jun 80 568-572
- Lavedan, Louis J., see Amoss, John W.; *T-MTT* v13 n6 Nov 65 789-793
- Lavedan, Louis J., see Rodrigue, George P.; *T-MTT* v15 n12 Dec 67 709-713
- Lavedan, Louis J., Jr., see Parks, J. K.; *T-MTT* v14 n12 Dec 66 688-694
- Lavedan, Louis J., Jr., see Landry, Norman R.; *T-MTT* v22 n6 Jun 74 617-625 (1C03)
- Lavendol, L., and J. J. Taub; Re-entrant directional coupler using strip transmission line (Corresp.); *T-MTT* v13 n5 Sep 65 700-701
- Laverick, Elizabeth; The calibration of microwave attenuators with an absolute method; *T-MTT* v5 n4 Oct 57 250-254
- Lawrence, J. P., see Meixner, R. P.; *T-MTT* v25 n1 Jan 77 77-78 (1F09)
- Lax, B., see Aggarwal, R. L.; *T-MTT* v22 n12 Dec 74 1117 (2C14)
- Lax, Benjamin; The status of microwave applications of ferrites and semiconductors; *T-MTT* v6 n1 Jan 58 5-18
- Lax, Benjamin; Magnetoplasma effects in solids; *T-MTT* v9 n1 Jan 61 83-89
- Lax, Benjamin, and D. R. Cohn; Interaction of intense submillimeter radiation with plasmas; *T-MTT* v22 n12 Dec 74 1049-1052 (1F01)
- Lazarus, Max, Kin Y. Cheung, S. Novak, and A. M. Sokullu; Bias frequency modulation of GaAs millimeter-wave diode oscillators (Short p.); *T-MTT* v23 n8 Aug 75 700-703 (2A04)
- Leake, Bernard W., see Cermak, Ivan A.; *T-MTT* v22 n3 Mar 74 155-160 (1A05)
- Leber, Arthur N.; Method free from mismatching errors for measuring the loss of attenuators (Corresp.); *T-MTT* v12 n4 Jul 64 480
- Lebowitz, R. A.; Determination of the parameters of cavities terminating transmission lines; *T-MTT* v4 n1 Jan 56 51-53
- Lee, C. M., see Haddad, George I.; *T-MTT* v21 n7 Jul 73 501-502 (2C08)
- Lee, Charles M., Ronald J. Lomax, and George I. Haddad; Semiconductor device simulation; *T-MTT* v22 n3 Mar 74 160-177 (1A10)
- Lee, Chun C., and Liang C. Shen; Travelling waves in coupled Yagi structures; *T-MTT* v25 n11 Nov 77 931-933 (1E11)
- Lee, Don H., see Weller, Kenneth P.; *T-MTT* v24 n11 Nov 76 738-743 (1E02)
- Lee, Don H., see Chao, Chente; *T-MTT* v25 n12 Dec 77 985-991 (1B09)
- Lee, Frank S., see Long, Stephen I.; *T-MTT* v28 n5 May 80 466-472
- Lee, K. W., see Harris, D. J.; *T-MTT* v26 n12 Dec 78 998-1001 (1F06)
- Lee, Martin J., see Williams, Colin B.; *T-MTT* v13 n6 Nov 65 806-814
- Lee, N., see Aggarwal, R. L.; *T-MTT* v22 n12 Dec 74 1117 (2C14)
- Lee, R., see Nelson, T.; *T-MTT* v18 n1 Jan 70 45-46

- Lee, Richard Y., see Rowe, J. E.; *T-MTT* v9 n2 Mar 61 182-186
- Lee, Robert E., Ulrich H. Gysel, and Don Parker; High-power C-band multiple-IMPATT-diode amplifiers; *T-MTT* v24 n5 May 76 249-253 (1B01)
- Lee, Shung Wu; Radiation from an infinite array of parallel-plate waveguides with thick walls; *T-MTT* v15 n6 Jun 67 364-371
- Lee, Shung Wu, William R. Jones, and James J. Campbell; Convergence of numerical solutions of iris-type discontinuity problems; *T-MTT* v19 n6 Jun 71 528-536 (1D04)
- Lee, Shung Wu, see Fong, T. T.; *T-MTT* v22 n8 Aug 74 776-783 (1B08)
- Lee, T. C., see Chen, Di; *T-MTT* v14 n10 Oct 66 482-486
- Lee, Tien Pei, and Charles A. Burrus; A millimeter-wave quadrupler and an up-converter using planar-diffused gallium arsenide varactor diodes; *T-MTT* v16 n5 May 68 287-296
- Lee, Tuck Hop; A series-connected traveling-wave parametric amplifier (Corresp.); *T-MTT* v9 n6 Nov 61 578-579
- Lee, Y. S.; Mode compensation applied to parallel-coupled microstrip directional filter design (Short p.); *T-MTT* v22 n1 Jan 74 66-69 (1E12)
- Lee, Young Soo, William J. Getsinger, and Lawrence R. Sparrow; Barium tetratitanate MIC technology; *T-MTT* v27 n1 Jul 79 655-660 (1C01)
- Leed, Daniel; Use of flow graphs to evaluate mistimation errors in loss and phase measurements (Corresp.); *T-MTT* v9 n5 Sep 61 454
- Leedom, David A., see Matthaei, George L.; *T-MTT* v16 n12 Dec 68 1038-1047
- Leedom, David A., see Matthaei, George L.; *T-MTT* v17 n12 Dec 69 1123-1129
- Leedom, David A., and George L. Matthaei; Bandpass and pseudo-high-pass quasi-optical filters; *T-MTT* v18 n5 May 70 253-259
- Lefevre, S.; Comments on 'Maximum efficiency of a two arm waveguide junction'; *T-MTT* v11 n6 Nov 63 549
- Lefevre, S., see Baudrand, H.; *T-MTT* v12 n4 Jul 64 470-471
- Legendre, J. P., see Cermak, I. A.; *T-MTT* v17 n8 Aug 69 652-653
- Legier, J. F., P. Kennis, S. Toutain, and J. Citerne; Resonant frequencies of rectangular dielectric resonators (Short p.); *T-MTT* v28 n9 Sep 80 1031-1034
- Lehmann, Justus F., see Ho, Henry S.; *T-MTT* v19 n2 Feb 71 224-231 (2E11)
- Lehmann, Justus F., see Guy, Arthur W.; *T-MTT* v26 n8 Aug 78 550-556 (1C08)
- Lehmann, Justus F., Arthur W. Guy, Jerry B. Stonebridge, and Barbara J. deLateur; Evaluation of a therapeutic direct-contact 915-MHz microwave applicator for effective deep-tissue heating in humans; *T-MTT* v26 n8 Aug 78 556-563 (1C14)
- Leibowitz, Michael R.; Impedance matching by charts (Corresp.); *T-MTT* v9 n1 Jan 61 101
- Leibowitz, Michael R.; Comments on 'Stepped transformers for partially-filled transmission lines' (Corresp.); *T-MTT* v9 n4 July 61 366-367
- Leichter, M., see Price, O. R.; *T-MTT* v8 n6 Nov 60 669
- Leighton, William H., Rober J. Chaffin, and John G. Webb; RF amplifier design with large-signal S-parameters; *T-MTT* v21 n12 Dec 73 809-814 (2C07)
- Leighton, William H., Jr., and Arthur G. Milnes; Selecting matched diodes from a diode array for monolithic balanced mixers (Corresp.); *T-MTT* v17 n1 Jan 69 49-51
- Leighton, William H., Jr., and Arthur G. Milnes; Junction reactance and dimensional tolerance effects on X-band 3-dB directional couplers; *T-MTT* v19 n10 Oct 71 818-824 (1D04)
- Leite, J. R. R., see Keilman, F.; *T-MTT* v22 n12 Dec 74 1118 (1D01)
- Leite, Rogério C. C., and C. T. Tai; First-order theory for oblate and prolate anisotropic artificial dielectrics; *T-MTT* v12 n1 Jan 64 117-122
- Lenahan, J. J.; A microwave system for trunk service; *T-MTT* v2 n1 Apr 54 50-59
- Le-Ngoc, S., G. L. Yip, and S. Nemoto; Dispersion characteristics of the dipolar modes in a waveguide partially filled with a magnetized ferrite column; *T-MTT* v25 n3 Mar 77 197-209 (1C03)
- Le-Ngoc, Son, see Yip, Gar Lam; *T-MTT* v25 n1 Jan 77 65-70 (1E11)
- Lennartsson, Bengt L.; Network analogue method for computing the TEM characteristics of planar transmission lines; *T-MTT* v20 n9 Sep 72 586-591 (1C12)
- Lenox, Robert H., O. P. Gandhi, James L. Meyerhoff, and H. Mark Grove; A microwave applicator for *in vivo* rapid inactivation of enzymes in the central nervous system (Short p.); *T-MTT* v24 n1 Jan 76 58-61 (1E04)
- Lenox, Robert H., see Meyerhoff, James L.; *T-MTT* v27 n3 Mar 79 267-270 (1D11)
- Leon, B. J., see Maxwell, E.; *T-MTT* v4 n2 Apr 56 81-85
- Lepoff, Jack H., and Gershon J. Wheeler; Octave bandwidth tunnel-diode amplifier; *T-MTT* v12 n1 Jan 64 21-26
- Lepoff, Jack H., and A. Michael Cowley; Improved intermodulation rejection in mixers; *T-MTT* v14 n12 Dec 66 618-623
- Lerner, David S., and Harold A. Wheeler; Measurement of bandwidth of microwave resonator by phase shift of signal modulation; *T-MTT* v8 n3 May 60 343-345. Correction, Nov 60 653
- Levey, Lawrence, see Felsen, L. B.; *T-MTT* v7 n1 Jan 59 102-110
- Levin, Burton J.; The modified series model for an abrupt-junction varactor frequency doubler; *T-MTT* v14 n4 Apr 66 184-188
- Levin, Burton J., see Kietzer, James E.; *T-MTT* v24 n11 Nov 76 797-803 (2C02)
- Levine, Peter A.; Measurement of AM noise in pulsed oscillators and amplifiers; *T-MTT* v18 n10 Oct 70 712-715
- Levine, Richard C.; Determination of thermal conductance of dielectric-filled strip transmission line from characteristic impedance (Corresp.); *T-MTT* v15 n11 Nov 67 645-646
- Levinson, M. T., and B. T. Ulrich; Evidence for 1.6-mm wavelength parametric amplification in a Josephson junction microwave source (SUBMIT 14 Abstr.); *T-MTT* v22 n12 Dec 74 1117 (2C14)
- Levinson, David S., and Irving Rubinstein; A technique for measuring individual modes propagating in overmoded waveguide; *T-MTT* v14 n7 Jul 66 310-322. Comments, *T-MTT* v15 n2 Feb 67 133
- Levis, Curt A., and Heng-Cheng Lin; System implications of large radiometric array antennas; *T-MTT* v25 n4 Apr 77 248-253 (1A10)
- Levy, Gerald S., Dan A. Bathker, Walter Higa, and Charles T. Stelzried; The ultra cone: An ultra-low-noise space communication ground radio-frequency system; *T-MTT* v16 n9 Sep 68 596-602
- Levy, R.; Properties of symmetric hybrid waveguide junctions (Corresp.); *T-MTT* v8 n5 Sep 60 573
- Levy, R.; New coaxial-to-stripline transformers using rectangular lines (Corresp.); *T-MTT* v9 n3 May 61 273-274
- Levy, R., and H. J. Riblet; Improvement to 'Theory of direct-coupled-cavity filters'; *T-MTT* v16 n8 Aug 68 567-568
- Levy, R.; Analysis of practical branch-guide directional couplers (Corresp.); *T-MTT* v17 n5 May 69 289-290
- Levy, R.; Comments on 'Exact solutions of stepped impedance transformers having maximally flat and Chebyshev characteristics'; *T-MTT* v18 n9 Sep 70 648
- Levy, Ralph; General synthesis of asymmetric multi-element coupled-transmission-line directional couplers; *T-MTT* v11 n4 Jul 63 226-237
- Levy, Ralph; Tables for asymmetric multi-element coupled-transmission-line directional couplers; *T-MTT* v12 n3 May 64 275-279
- Levy, Ralph; Tables of element values for the distributed low-pass prototype filter; *T-MTT* v13 n5 Sep 65 514-536
- Levy, Ralph, and Ian Whiteley; Synthesis of distributed elliptic-function filters from lumped-constant prototypes; *T-MTT* v14 n11 Nov 66 506-517
- Levy, Ralph; Theory of direct-coupled-cavity filters; *T-MTT* v15 n6 Jun 67 340-348
- Levy, Ralph, and Larry F. Lind; Synthesis of symmetrical branch-guide directional couplers; *T-MTT* v16 n2 Feb 68 80-89
- Levy, Ralph, and Tullio E. Rozzi; Precise design of coaxial low-pass filters; *T-MTT* v16 n3 Mar 68 142-147
- Levy, Ralph; Analysis and synthesis of waveguide multiaperture directional couplers; *T-MTT* v16 n12 Dec 68 995-1006
- Levy, Ralph; Generalized rational function approximation in finite intervals using Zolotarev functions; *T-MTT* v18 n12 Dec 70 1052-1064
- Levy, Ralph; A new class of distributed prototype filters with applications to mixed lumped/distributed component design; *T-MTT* v18 n12 Dec 70 1064-1071
- Levy, Ralph, and John David Rhodes; A comb-line elliptic filter; *T-MTT* v19 n1 Jan 71 26-29 (1D04)
- Levy, Ralph; Synthesis of mixed lumped and distributed impedance-transforming filters; *T-MTT* v20 n3 Mar 72 223-233 (1D01)
- Levy, Ralph; Zolotarev branch-guide couplers; *T-MTT* v21 n2 Feb 73 95-99 (1D05)
- Levy, Ralph; A generalized design technique for practical distributed reciprocal ladder networks; *T-MTT* v27 n8 Aug 73 519-526 (1C05)
- Levy, Ralph; Tapered corrugated waveguide low-pass filters; *T-MTT* v21 n8 Aug 73 526-532 (1C12)
- Levy, Ralph; Filters with single transmission zeros at real or imaginary frequencies; *T-MTT* v24 n4 Apr 76 172-181 (1A10)
- Levy, Ralph; Reflection coefficient of unequal displaced rectangular waveguides (Ltr.); *T-MTT* v24 n7 Jul 76 480-483 (2B11)
- Levy, Ralph, see Rhodes, J. David; *T-MTT* v27 n2 Feb 79 99-111 (1A09)
- Levy, Ralph, see Rhodes, J. David; *T-MTT* v27 n2 Feb 79 111-123 (1B07)
- Levy, Ralph; Improved single and multiaperture waveguide coupling theory, including explanation of mutual interactions; *T-MTT* v28 n4 Apr 80 331-338
- Levy, Ralph; Conformal transformations combined with numerical techniques, with applications to coupled-bar problems; *T-MTT* v28 n4 Apr 80 369-375
- Levy, Ralph; Direct noniterative numerical solution of field theory problems having irregular boundaries using network analogs; *T-MTT* v28 n6 Jun 80 596-604
- Lewandowski, S. J., and J. Konopka; On some problems in designing microwave Faraday-rotation devices (Corresp.); *T-MTT* v8 n2 Mar 60 249-251
- Lewin, L.; On the resolution of a class of waveguide discontinuity problems by the use of singular integral equations; *T-MTT* v9 n4 Jul 61 321-332
- Lewin, L.; Letter symbols to designate microwave bands (Corresp.); *T-MTT* v12 n5 Sep 64 551
- Lewin, L.; On 'Status report on international millimeter waveguide flange standards' (Corresp.); *T-MTT* v12 n5 Sep 64 552-553
- Lewin, L.; A note on the double fresnel integral (Ltr.); *T-MTT* v27 n2 Feb 79 208 (2B07)
- Lewin, Leonard; Miniaturization of microwave assemblies; *T-MTT* v4 n4 Oct 56 261-262
- Lewin, Leonard; Calculation of waveguide junction and diaphragm interactions; *T-MTT* v17 n10 Oct 69 785-788
- Lewin, Leonard; On the inadequacy of discrete mode-matching techniques in some waveguide discontinuity problems; *T-MTT* v18 n7 Jul 70 364-372. Disc. by E. D. Nielsen
- Lewin, Leonard; On the restricted validity of point-matching techniques; *T-MTT* v18 n12 Dec 70 1041-1047
- Lewin, Leonard; Note on the inversion of the Schwarz-Christoffel conformal transformation; *T-MTT* v19 n6 Jun 71 542-546 (2E06)
- Lewin, Leonard; Anomalous loss at a ferrite boundary; *T-MTT* v20 n9 Sep 72 604-607 (1E06)
- Lewin, Leonard, see Montgomery, James P.; *T-MTT* v20 n11 Nov 72 763-764 (1F03)
- Lewin, Leonard, and James P. Montgomery; A quasi-dynamic method of solution of a class of waveguide discontinuity problems (Short p.); *T-MTT* v20 n12 Dec 72 849-852 (2B03)
- Lewin, Leonard, see Bolle, D. M.; *T-MTT* v21 n2 Feb 73 118 (1F04)
- Lewin, Leonard, and Ali M. B. Al-Hariri; The effect of cross-section curvature on attenuation in elliptic waveguides and a basic correction to previous formulas; *T-MTT* v22 n5 May 74 504-509 (1B12)
- Lewin, Leonard; Radiation from curved dielectric slabs and fibers; *T-MTT* v22 n7 Jul 74 718-727. Correction, Sep 75 779 (1A12)
- Comments, *T-MTT* v23 n11 Nov 75 935-936 (1G01)
- Lewin, Leonard; An accurate formula for the gamma function (Ltr.); *T-MTT* v22 n10 Oct 74 910 (1E08)
- Lewin, Leonard; A method for the calculation of the radiation-pattern and mode-conversion properties of a solid-state heterojunction laser; *T-MTT* v23 n7 Jul 75 576-585 (1C10)
- Lewin, Leonard; Spurious radiation from a microstrip Y junction; *T-MTT* v26 n11 Nov 78 893-894 (1D09)
- Lewin, Leonard, see Ruehle, Thomas; *T-MTT* v27 n2 Feb 79 158-160 (1E12)
- Lewin, Leonard; The E-plane taper junction in rectangular waveguide; *T-MTT* v27 n6 Jun 79 560-563 (1A06)
- Lewin, Leonard, see Abouzahra, Mohamad Deeb; *T-MTT* v27 n8 Aug 79 722-723 (1A08)
- Lewin, Leonard, and Thomas Ruehle; Propagation in twisted square waveguide; *T-MTT* v28 n1 Jan 80 44-48
- Lewin, Leonard, see Abouzahra, Mohamad Deeb; *T-MTT* v28 n10 Oct 80 1096-1101
- Lewin, Leonard; A decoupled formulation of the vector wave equation in orthogonal curvilinear coordinates, with application to ferrite-filled and curved waveguides of general cross section; *T-MTT* v20 n5 May 72 338-342 (1E09)
- Lewin, P. Thomas, see Kollberg, Erik L.; *T-MTT* v24 n11 Nov 76 718-725 (1C10)
- Lewis, C. E., see Shockley, T. D.; *T-MTT* v16 n8 Aug 68 562-564
- Lewis, David J.; Mode couplers and multimode measurement techniques; *T-MTT* v7 n1 Jan 59 110-116
- Lewis, J. E., see Rengarajan, Sembiam R.; *T-MTT* v28 n3 Mar 80 276-277
- Lewis, J. E., see Tranquilla, James M.; *T-MTT* v28 n7 Jul 80 714-718
- Lewis, J. E., see Rengarajan, Sembiam R.; *T-MTT* v28 n10 Oct 80 1085-1089
- Lewis, J. E., see Rengarajan, Sembiam R.; *T-MTT* v28 n10 Oct 80 1089-1095

- Lewis, Lawrence R., and Alexander Hessel; Propagation characteristics of periodic arrays of dielectric slabs; *T-MTT v19 n3 Mar 71* 276-286 (1C08)
- Lewis, M. F., see Lacklison, D. E.; *T-MTT v16 n11 Nov 68* 951-952
- Li, Chiung-Tung, see Chen, Philip T.; *T-MTT v27 n5 May 79* 411-415 (1D07)
- Li, Robert C. M., and Kuo Hsiung Yen; Elastic waves guided by a solid layer between adjacent substrates; *T-MTT v20 n7 Jul 72* 477-486 (2B06)
- Li, Ti-Shu, see Mittra, Raj; *T-MTT v20 n2 Feb 72* 96-104 (1B10)
- Liao, Sam Y.; Light transmittance and microwave attenuation of a gold-film coating on a plastic substrate (Short p.); *T-MTT v23 n10 Oct 75* 846-849 (1E12)
- Libbey, Waldo M.; Characteristics of a microstrip two-meander ferrite phase shifter (Short p.); *T-MTT v21 n7 Jul 73* 483-487 (2B02)
- Lidgey, F. John, and Kenneth W. H. Foulds; An X-band LSA amplifier; *T-MTT v21 n11 Nov 73* 736-738 (2D06)
- Liebe, H. J., and B. Senitzky; Y-junction circulator at 258 GHz (Corresp.); *T-MTT v15 n3 Mar 67* 190-191
- Liebe, Hans J.; Amplification at 258 GHz using a saturated gas resonance; *T-MTT v16 n10 Oct 68* 860-865
- Liebe, Hans J.; Molecular transfer characteristics of air between 40 and 140 GHz; *T-MTT v23 n4 Apr 75* 380-386 (1E02)
- Liechti, C. A., and G. W. Epprecht; Controlled wideband differential phase shifters using varactor diodes (Corresp.); *T-MTT v15 n10 Oct 67* 586-589
- Liechti, Charles A., and Robert L. Tillman; Design and performance of microwave amplifiers with GaAs Schottky-gate field-effect transistors; *T-MTT v22 n5 May 74* 510-517 (1C04)
- Liechti, Charles A.; Performance of dual-gate GaAs MESFET's as gain-controlled low-noise amplifiers and high-speed modulators; *T-MTT v23 n6 Jun 75* 461-469 (1A03)
- Liechti, Charles A.; Microwave field-effect transistors—1976; *T-MTT v24 n6 Jun 76* 279-300 (1A05)
- Liechti, Charles A., and Roderic B. Larrick; Performance of GaAs MESFET's at low temperatures (Short p.); *T-MTT v24 n6 Jun 76* 376-381 (2A10)
- Liechti, Charles A., Guest ed.; Foreword—Special issue on microwave field-effect transistors; *T-MTT v24 n6 Jun 76* 277-278 (1A03)
- Lien, Chuen-Der, see Chen, Chun Hsiung; *T-MTT v28 n8 Aug 80* 878-886
- Likuski, R. K.; Field equations in cylindrical coordinates for gyroelectric media with sources (Corresp.); *T-MTT v13 n6 Nov 65* 881-882
- Likuski, R. K., P. D. Coleman, and J. J. Stafford; A resonator technique for studying dispersion in longitudinally magnetized plasma guides (Corresp.); *T-MTT v14 n1 Jan 66* 40-41
- Lim, Jin Twan, see Scanlan, Sean O.; *T-MTT v12 n5 Sep 64* 504-511
- Lim, Jin Twan, see Scanlan, Sean O.; *T-MTT v13 n6 Nov 65* 827-836
- Lin, C. M., and R. W. Grow; A broad-band microwave coaxial connector with capacitive RF coupling and isolated dc returns (Corresp.); *T-MTT v6 n4 Oct 58* 454-455
- Lin, Feng-Ling Cheng; Modal characteristics of crossed rectangular waveguides; *T-MTT v25 n9 Sep 77* 756-763 (1C12)
- Lin, Heng-Cheng, see Levis, Curt A.; *T-MTT v25 n4 Apr 77* 248-253 (1A10)
- Lin, James C., Arthur W. Guy, and Curtis C. Johnson; Power deposition in a spherical model of man exposed to 1-20 MHz electromagnetic fields; *T-MTT v21 n12 Dec 73* 791-797. Correction, Feb 75 265 (2B01)
- Lin, James C., see Guy, Arthur W.; *T-MTT v23 n6 Jun 75* 492-498 (1C06)
- Lin, James C., see Courtney, Kenneth R.; *T-MTT v23 n10 Oct 75* 809-813 (1C03)
- Lin, James C., and Chuan-Lin Wu; Scattering of microwaves by dielectric materials used in laboratory animal restrainers (Short p.); *T-MTT v24 n4 Apr 76* 219-223 (1E01)
- Lin, James C.; On microwave-induced hearing sensation; *T-MTT v25 n7 Jul 77* 605-613 (1C13)
- Lin, James C., Arthur W. Guy, and Lynn R. Caldwell; Thermographic and behavioral studies of rats in the near field of 918-MHz radiations; *T-MTT v25 n10 Oct 77* 833-836 (1C01)
- Lin, James C.; Further studies on the microwave auditory effect; *T-MTT v25 n11 Nov 77* 938-943 (1F04)
- Lin, James C., Joseph Kiernicki, Martin Kiernicki, and Paul B. Wollschlaeger; Microwave apexcardiography; *T-MTT v27 n6 Jun 79* 618-620 (1E08)
- Lin, Wei-Gan; Electromagnetic wave propagating in uniform waveguides containing inhomogeneous dielectric; *T-MTT v28 n4 Apr 80* 339-348
- Lin, Wei-Gan; Low frequency scattering of dielectric cylinders; *T-MTT v28 n11 Nov 80* 1199-1204
- Lind, Larry F., see Levy, Ralph; *T-MTT v16 n2 Feb 68* 80-89
- Lind, Larry F.; Synthesis of equally terminated low-pass lumped and distributed filters of even order (Corresp.); *T-MTT v17 n1 Jan 69* 43-45
- Lind, Larry F.; Synthesis of asymmetrical branch-guide directional coupler-impedance transformers (Corresp.); *T-MTT v17 n1 Jan 69* 45-48
- Lindauer, G. A., L. M. Liu, G. W. Skewes, and Fred J. Rosenbaum; Further experiments seeking evidence of nonthermal biological effects of microwave radiation (Short p.); *T-MTT v22 n8 Aug 74* 790-793 (1C08)
- Lindell, Ismo V.; Slope parameter and Q of radial resonators (Corresp.); *T-MTT v14 n2 Feb 66* 97-98
- Lindley, J. P., see Alvarez, R.; *T-MTT v11 n1 Jan 63* 89-90
- Lindley, W. T., see Murphy, R. A.; *T-MTT v25 n6 Jun 77* 494-495 (1C14)
- Linke, R. A., Martin V. Schneider, and A. Y. Cho; Cryogenic millimeter-wave receiver using molecular beam epitaxy diodes; *T-MTT v26 n12 Dec 78* 935-938 (1A13)
- Linker, J. B., Jr., and H. H. Grimm; Wide-band microwave transmission measuring system; *T-MTT v6 n4 Oct 58* 415-418
- Linker, J. B., Jr., see Farokhrooz, A.; *T-MTT v11 n4 Jul 63* 258-260
- Linker, J. Burton, Jr., see Peppiatt, Harry J.; *T-MTT v13 n1 Jan 65* 44-47
- Linn, D. F., see Bonfield, M. D.; *T-MTT v14 n2 Feb 66* 98-99
- Linnvill, John G., see Mellor, Douglas J.; *T-MTT v23 n12 Dec 75* 1013-1020 (1F05)
- Lipkin, Y., and S. Maniv; Comparison of diode noise under RF and dc excitations (Short p.); *T-MTT v22 n8 Aug 74* 793-796 (1C11)
- Lipparini, Alessandro, see Rizzoli, Vittorio; *T-MTT v26 n1 Jan 78* 7-15 (1A09)
- Listvin, V. N., see Vystavkin, A. N.; *T-MTT v22 n12 Dec 74* 1041-1046 (1E07)
- Little, John H., see Kaiser, Julius A., Jr.; *T-MTT v10 n6 Nov 62* 548-550
- Little, W. E., and J. P. Wakefield; A coaxial adjustable sliding termination (Corresp.); *T-MTT v12 n2 Mar 64* 247-248
- Little, W. E., and E. Niesen; A multistub coaxial line tuner (Corresp.); *T-MTT v12 n5 Sep 64* 570-571
- Little, W. E., see Patty, O. L.; *T-MTT v16 n2 Feb 68* 121-123
- Little, William E., Doyle A. Ellerbruch, and Glenn F. Engen; An analysis of the 'quarter-wave' technique of reducing the errors in UHF and microwave impedance measurement; *T-MTT v15 n9 Sep 67* 504-507
- Little, William E., see Hall, Maurice B.; *T-MTT v15 n11 Nov 67* 598-603
- Litton, C. W.; Submillimeter magnetospectroscopy in n-type InAs epitaxial layers: Shallow hydrogenic donor impurity states (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1117-1118 (1C14)
- Liu, L. M., see Lindauer, G. A.; *T-MTT v22 n8 Aug 74* 790-793 (1C08)
- Liu, L. M., Fred J. Rosenbaum, and W. F. Pickard; The relation of teratogenesis in *Tenebrio molitor* to the incidence of low-level microwaves (Short p.); *T-MTT v23 n11 Nov 75* 929-931 (1F09)
- Liu, L. M., Fred J. Rosenbaum, and W. F. Pickard; Electric-field distribution along finite length lossy dielectric slabs in waveguide (Short p.); *T-MTT v24 n4 Apr 76* 216-219 (1D12)
- Liu, Peter C., see Bandler, John W.; *T-MTT v23 n8 Aug 75* 630-641 (1B14)
- Liu, Peter C., see Bandler, John W.; *T-MTT v24 n9 Sep 76* 584-591 (1C12)
- Liu, Shing Gong; Microstrip high-power high-efficiency avalanche-diode oscillator; *T-MTT v17 n12 Dec 69* 1068-1071. Correction, Sep 70 601
- Liu, Shing Gong; A compact microstrip high-power high-efficiency avalanche-diode oscillator (Corresp.); *T-MTT v18 n11 Nov 70* 982-983
- Livesay, Donald E., and Kun-Mu Chen; Electromagnetic fields induced inside arbitrarily shaped biological bodies; *T-MTT v22 n12 Dec 74* 1273-1280 (4F02)
- Livstone, Elliot M., see Carpenter, Russell L.; *T-MTT v19 n2 Feb 71* 173-178 (1F01)
- Llinner, L. J. Peter; A method for the computation of the characteristic impedance matrix of multiconductor striplines with arbitrary widths; *T-MTT v22 n11 Nov 74* 930-937 (1B06)
- Lo, Yuen Tze, see Navarro, Manuel S.; *T-MTT v28 n8 Aug 80* 857-865
- Lo Cascio, Charles M., see Jacobs, Harold; *T-MTT v24 n11 Nov 76* 815-820 (2D06)
- Lock, Richard G., see Thal, Herbert L., Jr.; *T-MTT v13 n6 Nov 65* 836-846
- Loew, Gregory A., see Williams, Colin B.; *T-MTT v13 n6 Nov 65* 806-814
- Lomax, Ronald J., see Gupta, Madhu-Sudan; *T-MTT v22 n1 Jan 74* 37-43 (1C11)
- Lomax, Ronald J., see Lee, Charles M.; *T-MTT v22 n3 Mar 74* 160-177 (1A10)
- Lomax, Ronald J., see Tang, D. D.; *T-MTT v23 n9 Sep 75* 748-753 (1C02)
- Lombardini, Pietro P., Richard F. Schwartz, and Patrick J. Kelly; Criteria for the design of loop-type directional couplers for the L-band; *T-MTT v4 n4 Oct 56* 234-239. Correction, Apr 57 162
- Lombardini, Pietro P., see Corsi, S.; *T-MTT v22 n12 Dec 74* 1036-1041 (1E02)
- Lombardini, Pietro P., see Dall'Oglio, G.; *T-MTT v22 n12 Dec 74* 1173-1178 (2D03)
- Lomer, P. D., and R. M. O'Brien; A new form of high-power microwave duplexer; *T-MTT v6 n3 Jul 58* 264-267
- Lomer, P. D., see Downton, D. W.; *T-MTT v8 n6 Nov 60* 654-659
- Long, Maurice W., and J. Clark Butterworth; New technique for microwave radiometry; *T-MTT v11 n5 Sep 63* 389-397
- Long, Ronald W.; Effective phase-shifter cost as a selection criterion; *T-MTT v22 n6 Jun 74* 591-593 (1A05)
- Long, Stephen I., see Hamilton, Robert J., Jr.; *T-MTT v24 n11 Nov 76* 775-780 (2A08)
- Long, Stephen I., Frank S. Lee, R. Zucca, Bryant M. Welch, and Richard C. Eden; MSI high-speed low-power GaAs integrated circuits using Schottky diode FET logic; *T-MTT v28 n5 May 80* 466-472
- Longaker, Perry R., and Charles S. Roberts; Propagation constants for TE and TM surface waves on an anisotropic dielectric cylinder; *T-MTT v11 n6 Nov 63* 543-546
- Longley, S. R., see Davis, L. E.; *T-MTT v11 n5 Sep 63* 443-445
- Longley, S. R.; Experimental 4-port E-plane junction circulators (Corresp.); *T-MTT v15 n6 Jun 67* 378-380
- Longley, S. R., see Parsonson, C. G.; *T-MTT v16 n4 Apr 68* 256-258
- Longley, Stuart R., see Aitchison, Colin S.; *T-MTT v19 n12 Dec 71* 928-937 (1D12)
- Lonngrén, K. E., J. W. Mink, and J. B. Beyer; On the focused Fabry-Perot resonator in plasma diagnostics (Corresp.); *T-MTT v12 n5 Sep 64* 548-549
- Lonngrén, K. E., and J. B. Beyer; An extension to the high loss region of the solution of the confocal Fabry-Perot resonator integral equation (Corresp.); *T-MTT v13 n2 Mar 65* 243-244
- Lonngrén, K. E.; On longitudinal waves in a hot-nonuniform plasma (Corresp.); *T-MTT v14 n10 Oct 66* 494-495
- Comments, *T-MTT v15 n5 May 67* 326-327
- Lords, James L., Carl H. Durney, Alan M. Borg, and Charles E. Tinney; Rate effects in isolated hearts induced by microwave irradiation (Short p.); *T-MTT v21 n12 Dec 73* 834-836 (3B01)
- Lords, James L., see Tinney, Charles E.; *T-MTT v24 n1 Jan 76* 18-24 (1B06)
- Lorentzen, Richard P., see Vaccaro, Frank E.; *T-MTT v19 n7 Jul 71* 609-616 (1E07)
- Loth, Patricia A.; Recent advances in waveguide hybrid junctions; *T-MTT v4 n4 Oct 56* 268-271
- Lotsch, H.; The confocal resonator system with a large Fresnel number (V -type eigenmodes) (Corresp.); *T-MTT v12 n4 Jul 64* 482-483
- Louisell, William H., see Kaminow, Ivan P.; *T-MTT v10 n5 Sep 62* 311-313
- Loute, Etienne, see Decreton, Marc; *T-MTT v19 n3 Mar 71* 322-331 (2B08)
- Love, A. W., see Hardy, Walter N.; *T-MTT v22 n4 Apr 74* 382-390 (1C04)
- Love, John D., see Snyder, Allan W.; *T-MTT v23 n1 Jan 75* 134-142 (2D01)
- Love, John D., and Clive Winkler; Generalized Fresnel power transmission coefficient for curved graded-index media; *T-MTT v28 n7 Jul 80* 689-695
- Lowndes, R. P.; High pressure far infrared spectroscopy of ionic solids; *T-MTT v22 n12 Dec 74* 1076-1080 (2A01)
- Lubell, P. D., see Torgow, E. N.; *T-MTT v13 n1 Jan 65* 124-126
- Lubell, Peter D.; A simple relation between cavity Q and maximum rejection for narrow-band microwave bandstop filters (Corresp.); *T-MTT v12 n1 Jan 64* 145
- Luce, D. A., H. M. Cronson, and Peter G. Mitchell; Time-domain measurement of loss and dispersion (Short p.); *T-MTT v24 n1 Jan 76* 50-54 (1D10)
- Lucey, Robert F., Jr., see Read, Michael E.; *T-MTT v28 n8 Aug 80* 875-878
- Luczak, Mirosław, see Szmigielski, Stanisław; *T-MTT v26 n8 Aug 78* 520-522 (1A06)
- Ludvik, Stephen, see Kino, Gordon S.; *T-MTT v21 n4 Apr 73* 244-255 (2D05)
- Luebbers, Raymond J., and Benedikt A. Munk; Analysis of thick rectangular waveguide windows with finite conductivity; *T-MTT v21 n7 Jul 73* 461-468 (1D03)
- Luisoni, L. E., see Laura, P. A. A.; *T-MTT v25 n2 Feb 77* 160-161 (1F10)
- Luisoni, L. E., see Laura, P. A. A.; *T-MTT v25 n2 Feb 77* 162-163 (1F12)
- Lukaszek, Theodore, see Ballato, Arthur; *T-MTT v27 n12 Dec 79* 1004-1012 (1F10)
- Luksch, James A., Edgar W. Matthews, and George A. VerWys; Design and operation of four-frequency parametric up-converters; *T-MTT v9 n1 Jan 61* 44-52
- Lunden, C. D., see Oh, Luis L.; *T-MTT v10 n2 Mar 62* 142
- Lundström, K. Ingemar, see Gustafsson, Lennart; *T-MTT v20 n6 Jun 72* 402-409 (2B01)
- Lundström, K. Ingemar, see Hansson, G. H. Bertil; *T-MTT v20 n10 Oct 72* 641-645

M

- Lundström, K. Ingemar**, see Gustafsson, Lennart; *T-MTT* v21 n1 Jan 73 28-34 (1D06)
- Lundström, K. Ingemar**, see Gustafsson, Lennart; *T-MTT* v21 n5 May 73 353-355 (1E07)
- Lustig, C. D.**, see Freyheit, P. J.; *T-MTT* v14 n2 Feb 66 93
- Lutomirski, Richard F.**, see Shapiro, Alan R.; *T-MTT* v19 n2 Feb 71 187-196 (2B10)
- Luybaert, Pieter J.**, and D. H. Schoonaert; On the synthesis of waveguides and cavities realized with nonseparable solutions of Helmholtz wave equation (Short p.); *T-MTT* v23 n12 Dec 75 1061-1064 (2B12)
- Luzzatto, Giorgio**; A multiplier-frequency shifter suited to beat frequency generators in microwave repeaters (Corresp.); *T-MTT* v13 n3 May 65 388
- Lynes, Guy D.**, Gerald E. Johnson, B. E. Huckleberry, and Neil H. Forrest; Design of a broad-band 4-bit loaded switched-line phase shifter; *T-MTT* v22 n6 Jun 74 693-697 (2B05)
- Ma, Young-El**, and Cheng Sun; 1-W millimeter-wave Gunn diode combiner; *T-MTT* v28 n12 Dec 80 1460-1463
- Maanders, Eduard J.**, see Dijk, Jakob; *T-MTT* v20 n1 Jan 72 48-51 (1F02)
- Maas, Stephen**, see Weinreb, Sander; *T-MTT* v25 n4 Apr 77 243-248 (1A05)
- Macdonald, P. A.**, see Bandler, John W.; *T-MTT* v19 n7 Jul 71 667 (2E10)
- Macdonald, Patrick A.**, see Bandler, John W.; *T-MTT* v17 n8 Aug 69 646-649
- Macdonald, Patrick A.**, see Bandler, John W.; *T-MTT* v17 n8 Aug 69 552-562
- Macdonald, R. Ian**, see Hara, Elmer H.; *T-MTT* v28 n6 Jun 80 662-665
- MacGregor, Ronald J.**; A possible mechanism for the influence of electromagnetic radiation on neuroelectric potentials; *T-MTT* v27 n11 Nov 79 914-921 (1D02)
- Machi, Yoshio**; Microwave frequency multiplication using hot electrons in semiconductors; *T-MTT* v17 n6 Jun 69 333-338
- MacKenzie, Lee A.**, see Tsai, Wei Ching; *T-MTT* v18 n11 Nov 70 808-817
- MacKenzie, Thomas E.**, and Albert E. Sanderson; Some fundamental design principles for the development of precision coaxial standards and components; *T-MTT* v14 n1 Jan 66 29-39
- Mackey, R. C.**, and W. D. Hershberger; Instrumentation of microwave electron resonance in magnetic fields; *T-MTT* v1 n2 Nov 53 3-10
- Mackey, Richard C.**, and W. Delmar Hershberger; Measurement and control of microwave frequencies by lower radio frequencies; *T-MTT* v5 n1 Jan 57 64-68
- Mackey, Richard C.**; Some characteristics of microwave balanced modulators; *T-MTT* v10 n2 Mar 62 114-117
- Mackey, Richard C.**; Injection locking of klystron oscillators; *T-MTT* v10 n4 Jul 62 228-235
- Mackey, Richard C.**; Injection locked phase modulator (Corresp.); *T-MTT* v11 n2 Mar 63 150
- Mackey, Richard C.**, see Jaffe, Jerome S.; *T-MTT* v13 n3 May 65 371-378
- Macksey, H. Michael**, see Tserng, Hua Quen; *T-MTT* v24 n12 Dec 76 936-943 (1C10)
- MacLean, T. S.**, and D. A. Watkins; Equivalence of 0 and -1 space harmonics in helical antenna operation (Corresp.); *T-MTT* v8 n2 Mar 60 251
- Macnee, Alan B.**, see Mahdi, Solaimanul; *T-MTT* v17 n8 Aug 69 591-597
- MacNevin, L. A.**, see Costanza, S. T.; *T-MTT* v17 n11 Nov 69 1042-1043
- Macpherson, Alan C.**; An analysis of the diode mixer consisting of nonlinear capacitance and conductance and ohmic spreading resistance; *T-MTT* v5 n1 Jan 57 43-51
- Macpherson, Alan C.**, see Gleason, K. Reed; *T-MTT* v22 n8 Aug 74 804-806 (1D08)
- Macphie, Robert H.**, see Podgorski, Andrew S.; *T-MTT* v28 n4 Apr 80 405-408
- Madey, J. M. J.**, see Kunz, L. W.; *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Madhavan, R.**, see Arora, Rajendra K.; *T-MTT* v20 n3 Mar 72 210-214 (1B12)
- Madsen, Kaj**, Ole Nielsen, Hans Schjaer-Jacobsen, and Lars Thrane; Efficient minimax design of networks without using derivatives; *T-MTT* v23 n10 Oct 75 803-809. Correction, Apr 76 233 (1B11)
- Maeda, M.**, see Kinoshita, Y.; *T-MTT* v18 n7 Jul 70 409-410
- Maeda, Minoru**, see Kinoshita, Yasuaki; *T-MTT* v18 n12 Dec 70 1114-1119
- Maeda, Minoru**, and Atsushi Sumioka; Computer-aided design of parametric amplifiers; *T-MTT* v19 n12 Dec 71 916-921 (1C02)
- Maeda, Minoru**; An analysis of gap in microstrip transmission lines; *T-MTT* v20 n6 Jun 72 390-396 (1E08)
- Maeda, Minoru**, see Ikushima, Ichiro; *T-MTT* v22 n12 Dec 74 1220-1225 (4B05)
- Maeda, Minoru**, and Yasuo Minai; Microwave variable-gain amplifier with dual-gate GaAs FET; *T-MTT* v22 n12 Dec 74 1226-1230 (4B11)
- Maeda, Minoru**, Katsuhiko Kimura, and Hiroshi Kodaera; Design and performance of X-band oscillators with GaAs Schottky-gate field-effect transistors; *T-MTT* v23 n8 Aug 75 661-667 (1E03)
- Maekawa, Eiji**, see Nagai, Nobuo; *T-MTT* v25 n12 Dec 77 1008-1012 (1D04)
- Magarshack, J.**; Gunn oscillator as a frequency memory device (Corresp.); *T-MTT* v16 n12 Dec 68 1055-1057
- Magerl, Gottfried**; Fast measurement of cavity coupling coefficients (Tech. n.); *T-MTT* v26 n3 Mar 78 223-224 (1G05)
- Magerl, Gottfried**; Ridged waveguides with inhomogeneous dielectric-slab loading; *T-MTT* v26 n6 Jun 78 413-416 (1C07)
- Comments, T-MTT* v26 n11 Nov 78 919 (1F06)
- Magin, Richard L.**; A microwave system for the controlled production of local tumor hyperthermia in animals; *T-MTT* v27 n1 Jan 79 78-83 (1F10)
- Maginnis, W. P.**, and H. Place; The microwave system of the Michigan-Wisconsin Pipeline Company; *T-MTT* v2 n1 Apr 54 1-8
- Mahadevan, V.**, see Suryanarayana Rao, K. N.; *T-MTT* v25 n2 Feb 77 164 (1F14)
- Mahapatra, S.**, see Seshadri, T. K.; *T-MTT* v28 n4 Apr 80 376-380
- Mahdi, Solaimanul**, and Alan B. Macnee; Dominant pole synthesis of transmission line networks; *T-MTT* v17 n8 Aug 69 591-597
- Maher, B.**, and L. Silber; Size effect in the measurement of microwave permeability of ferrites (Corresp.); *T-MTT* v9 n1 Jan 61 96
- Maher, B.**; An L-band loop-type coupler (Corresp.); *T-MTT* v9 n4 Jul 61 362-363
- Maher, B.**; A stepped-dielectric transformer for rectangular-to-circular waveguide (Corresp.); *T-MTT* v9 n6 Nov 61 572-573
- Maher, B.**, D. Mitchell, and A. Reeves; A 150 Mc/s circulator (Corresp.); *T-MTT* v14 n1 Jan 66 42-43
- Mahle, C.**, and G. Epprecht; Reflection measurements with broadband frequency modulation using long transmission lines (Corresp.); *T-MTT* v14 n10 Oct 66 496-497
- Mahmoud, Samir F.**; On the attenuation of monofilar and bifilar modes in mine tunnels (Ltr.); *T-MTT* v22 n9 Sep 74 845-847 (1B13)
- Mahmoud, Samir F.**, and John C. Beal; Scattering of surface waves by metallic obstacles on the dielectric-image line; *T-MTT* v23 n2 Feb 75 185-192 (1A03)
- Mahmoud, Samir F.**, and John C. Beal; Scattering of surface waves at a dielectric discontinuity on a planar waveguide; *T-MTT* v23 n2 Feb 75 193-198 (1A11)
- Comments by Rulf, B., Aug 76 539-541*
- Mailoux, R. J.**, and F. J. LaRossa; A microwave phase bridge technique for measuring the mutual coupling of identical coupled antennas (Corresp.); *T-MTT* v16 n2 Feb 68 129-130
- Maines, Robert Q.**, see Wantuch, Ernest; *T-MTT* v10 n6 Nov 62 428-431
- Mains, Richard K.**, N. A. Masnari, and George I. Haddad; Theoretical investigations of TRAPATT amplifier operation; *T-MTT* v28 n10 Oct 80 1070-1076
- Majborn, B.**, see Andersen, J. Bach; *T-MTT* v16 n3 Mar 68 194-196
- Mak, Ting H.**, see Garver, Robert V.; *T-MTT* v15 n7 Jul 67 390-397
- Maki, Douglas W.**, see Dickens, Lawrence E.; *T-MTT* v23 n3 Mar 75 276-281 (1A10)
- Makimoto, Mitsuo**, and Sadahiko Yamashita; Bandpass filters using parallel coupled stripline stepped impedance resonators; *T-MTT* v28 n12 Dec 80 1413-1417
- Makimoto, Toshio**, see Nishimura, Sadahiko; *T-MTT* v16 n10 Oct 68 891-893
- Makimoto, Toshio**, see Toyota, Sachihiro; *T-MTT* v17 n1 Jan 69 40-42
- Makimoto, Toshio**, see Hashimoto, Masahiro; *T-MTT* v25 n1 Jan 77 11-17 (1A13)
- Makimura, Takashi**, see Suzuki, Hiroshi; *T-MTT* v28 n6 Jun 80 632-638
- Makimura, Takashi**, see Takada, Tohru; *T-MTT* v28 n9 Sep 80 966-973
- Makino, Shoji**, see Hata, Masayasu; *T-MTT* v28 n9 Sep 80 951-962
- Makino, Toshihiko**, and Akio Hashima; A highly stabilized MIC Gunn oscillator using a dielectric resonator; *T-MTT* v27 n7 Jul 79 633-638 (1A07)
- Makios, V.**, see Chudobiak, Walter J.; *T-MTT* v19 n9 Sep 71 783-784 (1E09)
- Makios, V.**, see Jain, O. P.; *T-MTT* v20 n9 Sep 72 626-628 (2C01)
- Makios, V.**, see Wight, J. S.; *T-MTT* v24 n2 Feb 76 122-124 (1D14)
- Makios, V.**, see Wight, J. S.; *T-MTT* v24 n5 May 76 270 (1C08)
- Makios, Vassilios**, see Wight, James S.; *T-MTT* v22 n1 Jan 74 48-52 (1D08)
- Makover, Yaakov**, Oded R. Manor, and N. S. Kopeika; Very high sensitivity detection of X-band radiation with neon indicator lamps; *T-MTT* v26 n1 Jan 78 38-43 (1C12)
- Makover, Yaakov**, see Kopeika, Norman S.; *T-MTT* v27 n3 Mar 79 227-232 (1A13)
- Malaviya, Shashi D.**, and V. P. Singh; Transmission lines loaded at regular intervals; *T-MTT* v27 n10 Oct 79 854-859 (1C04)
- Malherbe, J. A. G.**; The locus of points of constant VSWR when renormalized to a different characteristic impedance (Ltr.); *T-MTT* v25 n5 May 77 444-445 (2A08)
- Malherbe, J. A. G.**; Realization of elliptic function bandstop filters by means of a resonated prototype; *T-MTT* v25 n8 Aug 77 717 (1G05)
- Malherbe, Johannes A. G.**; TEM pseudoelectrostatic-function bandstop filters using noncommensurate lines; *T-MTT* v24 n5 May 76 242-248 (1A08)
- Malherbe, Johannes A. G.**, and Andre F. Steyn; The compensation of step discontinuities in TEM-mode transmission lines; *T-MTT* v26 n11 Nov 78 883-885 (1C13)
- Mallick, Amiya Kumar**, and Gitindra S. Sanyal; Electromagnetic wave propagation in a rectangular waveguide with sinusoidally varying width; *T-MTT* v26 n4 Apr 78 243-249 (1B07)
- Mallory, K. B.**; A source of error in the use of slope detection for perturbation measurements (Corresp.); *T-MTT* v10 n2 Mar 62 146-147
- Mallory, K. B.**, see Szente, P. A.; *T-MTT* v11 n4 Jul 63 263
- Mallory, K. B.**, R. H. Miller, and P. A. Szente; A simple grating system for millimeter and submillimeter wavelength separation (Corresp.); *T-MTT* v11 n5 Sep 63 433-434
- Mallory, K. B.**, see Miller, R. H.; *T-MTT* v11 n5 Sep 63 435-436
- Mallory, K. B.**, and R. H. Miller; On nonresonant perturbation measurements (Corresp.); *T-MTT* v14 n2 Feb 66 99-100
- Mallory, Eugene J.**, see Farber, Herman; *T-MTT* v13 n1 Jan 65 28-32
- Maloney, William T.**; Multiband cavity for high temperature plasma measurements (Corresp.); *T-MTT* v12 n6 Nov 64 616-617
- Maltese, Ugo**, see Costamagna, Eugenio; *T-MTT* v24 n8 Aug 76 541
- Mammel, W.**, see Arnaud, Jacques A.; *T-MTT* v23 n11 Nov 75 927-929 (1F07)
- Mandel'stam, T. S.**, see Vavilov, V. S.; *T-MTT* v22 n12 Dec 74 1086-1089 (2A11)
- Mandeville, G. D.**, see Beck, Alfred C.; *T-MTT* v3 Dec 55 48-51
- Mangiaracina, Richard S.**, see Stern, Ernest; *T-MTT* v7 n1 Jan 59 11-15
- Manheimer, W. M.**, see Lampe, M.; *T-MTT* v25 n6 Jun 77 556-558 (2C01)
- Maniv, S.**, see Lipkin, Y.; *T-MTT* v22 n8 Aug 74 793-796 (1C11)
- Mankin, W. G.**; Airborne solar and stratospheric submillimeter spectroscopy (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Manor, Oded R.**, see Makover, Yaakov; *T-MTT* v26 n1 Jan 78 38-43 (1C12)
- Mansingh, Abhai**, see Parkash, Anand; *T-MTT* v27 n9 Sep 79 791-795 (1B11)
- Mansour, N. A.**, see Nigrin, J.; *T-MTT* v23 n9 Sep 75 776-778
- Mantena, Niladiri R.**, and M. Lattimer Wright; Circuit model simulation of Gunn effect devices; *T-MTT* v17 n7 Jul 69 363-373
- Manus, E. A.**, see Bostian, Charles W.; *T-MTT* v23 n12 Dec 75 1049-1052 (2A14)
- Manus, Eugene A.**, see Ramey, Robert L.; *T-MTT* v18 n4 Apr 70 196-204
- Mao, Shing**, Stan Jones, and George D. Vendelin; Millimeter-wave integrated circuits; *T-MTT* v16 n7 Jul 68 455-461
- Marazzi, Ernesto**, and Vittorio Rizzoli; The design of linearizing networks for high-power varactor-tuned frequency modulators; *T-MTT* v28 n7 Jul 80 767-773
- Marcattili, Enrique A. J.**; A channel-dropping filter in the millimeter region using circular electric modes; *T-MTT* v9 n2 Mar 61 176-182
- Marcattili, Enrique A. J.**, and Douglas H. Ring; Broad-band directional couplers; *T-MTT* v10 n4 Jul 62 251-257
- March, Steven**; A wideband stripline hybrid ring (Corresp.); *T-MTT* v16 n6 Jun 68 361
- March, Steven**; Comments on 'A new concept for broadbanding the ferrite substrate circulator based on experimental modal analysis' (Ltr.); *T-MTT* v22 n1 Jan 74 72-74 (1F04)
- Marcuse, D.**; Design considerations for bent-beam waveguides; *T-MTT* v13 n5 Sep 65 647-651
- Marcuse, D.**; Probability of ray position in beam waveguides; *T-MTT* v15 n3 Mar 67 167-171
- Marcuse, D.**; Coupled power equations for backward waves; *T-MTT* v20 n8 Aug 72 541-546 (1F03)
- Marcuse, D.**; Editorial; *T-MTT* v23 n1 Jan 75 1 (1A03)
- Marcuse, Dietrich**; Theory of a thermal gradient gas lens; *T-MTT* v13 n6 Nov 65 734-739

- Marcuse, Dietrich: Modes and pseudomodes in dielectric waveguides (Corresp.); *T-MTT v18 n1 Jan 70* 62-63
- Marcuvitz, Nathan: Academic research institutes in the microwave field; *T-MTT v6 n2 Apr 58* 130-132
- Margerum, D. L.: Broad-banding circular polarizing transducers; *T-MTT v1 n2 Nov 53* 24-29
- Marha, K., J. Musil, and H. Tuhá: Electromagnetic Fields and the Life Environment; *San Francisco Press* (San Francisco, CA) 1971
Review by Süsskind, Charles; *T-MTT v19 n2 Feb 71* 248
- Marha, Karel: Microwave radiation safety standards in Eastern Europe; *T-MTT v19 n2 Feb 71* 165-168 (IE05)
- Mariani, Elio A.: A UHF bandpass filter using orthogonally coupled resonators (Corresp.); *T-MTT v16 n11 Nov 68* 966-967
- Mariani, Elio A., Charles P. Heinzman, John P. Agrios, and Seymour B. Cohn: Slot line characteristics; *T-MTT v17 n12 Dec 69* 1091-1096
- Mariani, Elio A., and John P. Agrios: Slot-line filters and couplers; *T-MTT v18 n12 Dec 70* 1089-1095
- Marinaccio, L. P., see Dawson, R. W.; *T-MTT v15 n4 Apr 67* 272-273
- Marković, Aleksandar M.: An experimental comparison between direct and indirect PAM by a high-efficiency microwave frequency multiplier with varactor diodes (Corresp.); *T-MTT v18 n8 Aug 70* 504-506
- Markowski, J.: The effect of parasitic elements on potential stability criteria for tunnel diodes (Corresp.); *T-MTT v16 n6 Jun 68* 374
- Marshall, F. Graham, Cleland O. Newton, and Edward G. S. Paige: Theory and design of the surface acoustic wave multistrip coupler; *T-MTT v21 n4 Apr 73* 206-215 (IE06)
- Marshall, F. Graham, Cleland O. Newton, and Edward G. S. Paige: Surface acoustic wave multistrip components and their applications; *T-MTT v21 n4 Apr 73* 216-225 (2B01)
- Marshall, R. E., see Bostian, Charles W.; *T-MTT v23 n12 Dec 75* 1049-1052 (2A14)
- Marshall, T. C., see Walsh, J. E.; *T-MTT v25 n6 Jun 77* 561-563 (2C06)
- Martin, D. H., and E. Puppelt: Submillimetric spectrometry using a polarizing interferometer (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1119 (2D02)
- Martin, E., see Rodriguez-Vidal, M.; *T-MTT v22 n5 May 74* 542-544 (2A01)
- Martin, I. J., see Bailey, R. L.; *T-MTT v17 n12 Dec 69* 1154-1156
- Martin, R. J., see Tien, P. K.; *T-MTT v23 n1 Jan 75* 79-85 (1F11)
- Martin, Tom A.: The IMCON pulse compression filter and its application; *T-MTT v21 n4 Apr 73* 186-194 (1D04)
- Marx, Kenneth D.: Propagation modes, equivalent circuits, and characteristic terminations for multiconductor transmission lines with inhomogeneous dielectrics; *T-MTT v21 n7 Jul 73* 450-457 (1C04)
Comments; *T-MTT v26 n11 Nov 78* 915-918 (1F02)
- Marx, Richard E., see Perlman, Barry S.; *T-MTT v18 n11 Nov 70* 911-921
- Masaki, Yoshifumi, Masanori Matsuhara, and Nobuaki Kumagai: Effect of lossy cladding on modal dispersion characteristics of parabolic-index fiber; *T-MTT v26 n11 Nov 78* 852-855 (1A10)
- Mashook, James A., and T. Koryu Ishii: An interesting pulling effect in a tunnel diode oscillator (Corresp.); *T-MTT v17 n6 Jun 69* 347-349
- Maslennikov, A. I., see Eremenko, V. V.; *T-MTT v22 n12 Dec 74* 1069-1072 (1G07)
- Masnari, N. A., see Trew, R. J.; *T-MTT v23 n12 Dec 75* 1043-1047 (2A08)
- Masnari, N. A., see Mains, Richard K.; *T-MTT v28 n10 Oct 80* 1070-1076
- Masnari, Nino A., see Trew, Robert J.; *T-MTT v20 n12 Dec 72* 805-812 (1C04)
- Masnari, Nino A., see Trew, R. J.; *T-MTT v22 n12 Dec 74* 1166-1170 (3D06)
- Mason, Iain M., see Lagasse, Paul E.; *T-MTT v21 n4 Apr 73* 225-236 (2B10)
- Masotti, Leonardo, see Atzeni, Carlo; *T-MTT v21 n8 Aug 73* 505-519 (1B03)
- Masse, C. F., see Kramer, Bernard M.; *T-MTT v24 n11 Nov 76* 861-863 (3A09)
- Masse, Daniel, see Pucel, Robert A.; *T-MTT v24 n6 Jun 76* 351-360 (1F07)
- Masse, Daniel J., see Pucel, Robert A.; *T-MTT v16 n6 Jun 68* 342-350. Correction, Dec 68 1064
- Masse, Daniel J., see Pucel, Robert A.; *T-MTT v20 n5 May 72* 304-308 (1B11)
- Masse, Daniel J., and Robert A. Pucel: Microstrip propagation on magnetic substrates—Part II: Experiment; *T-MTT v20 n5 May 72* 309-313 (1C04)
- Massoudi, Habib, see Durney, Carl H.; *T-MTT v23 n2 Feb 75* 246-253 (1E08)
- Massoudi, Habib, see Johnson, Curtis C.; *T-MTT v23 n6 Jun 75* 529-532 (1F01)
- Massoudi, Habib, see Johnson, Curtis C.; *T-MTT v23 n9 Sep 75* 739-747 (1B07)
- Massoudi, Habib, Carl H. Durney, and Curtis C. Johnson: Long-wavelength analysis of plane wave irradiation of an ellipsoidal model of man; *T-MTT v25 n1 Jan 77* 41-46 (1D01)
- Massoudi, Habib, Carl H. Durney, and Curtis C. Johnson: Long-wavelength electromagnetic power absorption in ellipsoidal models of man and animals; *T-MTT v25 n1 Jan 77* 47-52 (1D07)
- Massoudi, Habib, see Durney, Carl H.; *T-MTT v27 n8 Aug 79* 758-763 (1D02)
- Massoudi, Habib, Carl H. Durney, Peter W. Barber, and Magdy F. Iskander: Electromagnetic absorption in multilayered cylindrical models of man; *T-MTT v27 n10 Oct 79* 825-830 (1A03)
- Massoudi, Habib, see Iskander, Magdy F.; *T-MTT v28 n7 Jul 80* 801-807
- Mastellari, G. Antonio, Carlo Giacomo Somena, and Francesco Valdoni: Automated attenuation test in multimodal waveguides by resonance return-loss or insertion-loss measurements; *T-MTT v20 n1 Jan 72* 17-21 (1C07)
- Masters, J. I., B. R. Capone, and P. D. Gianino: Measurement technique for narrow line width ferromagnets (Corresp.); *T-MTT v8 n5 Sep 60* 565-566
- Masters, J. I., see Gianino, P. D.; *T-MTT v8 n5 Sep 60* 569
- Masuda, Masamitsu, Nion Sock Chang, and Yukito Matsuo: Azimuthally dependent magnetostatic modes in the cylindrical ferrites (Corresp.); *T-MTT v19 n10 Oct 71* 834-836 (1E08)
- Masuda, Masamitsu, Nion S. Chang, and Yukito Matsuo: Magnetostatic surface waves in ferrite slab adjacent to semiconductor (Short p.); *T-MTT v22 n2 Feb 74* 132-135 (1D12)
- Masuda, Masamitsu, Akihito Tanji, Yasuhiro Ando, and Jiro Koyama: Propagation losses of guided modes in an optical graded-index slab waveguide with metal cladding; *T-MTT v25 n9 Sep 77* 773-776 (1E01)
- Matarese, Ralph J., see Dean, Raymond H.; *T-MTT v21 n12 Dec 73* 805-809 (2C03)
- Matheau, J. C., see Castagnetto, L.; *T-MTT v11 n2 Mar 63* 153-154
- Mather, J. R., see Helszajn, Joseph; *T-MTT v23 n11 Nov 75* 926-927 (1F06)
- Mather, John C., P. L. Richards, and David P. Woody: Balloon-based measurements of the cosmic background radiation; *T-MTT v22 n12 Dec 74* 1046-1048 (1E12)
- Mathews, David, see Hill, James L.; *T-MTT v25 n9 Sep 77* 777-783 (1E05)
- Mathews, Neville A., and Henryk Stachera: A vibrating-dipole technique for measuring millimeter-wave fields in free space; *T-MTT v22 n2 Feb 74* 103-110 (1B11)
- Mathews, Neville A., and Henryk Stachera: An automatic system for simultaneous measurement of amplitude and phase of millimeter-wave fields (Short p.); *T-MTT v22 n2 Feb 74* 140-142 (1E06)
- Mathis, H. F.: Transmission characteristics of sandwiches (Corresp.); *T-MTT v3 n5 Oct 55* 57-58
- Mathis, H. F.: Measurement of reflection coefficients through a lossless network (Corresp.); *T-MTT v3 n5 Oct 55* 58
- Mathis, H. F.: Some properties of image circles; *T-MTT v4 n1 Jan 56* 48-50
- Mathis, H. F.: Phase shift and attenuation in a transmission line (Corresp.); *T-MTT v4 n2 Apr 56* 130-131
Comments; *T-MTT v5 n2 Apr 56* 132
- Mathis, H. F.: On symmetrical matching (Corresp.); *T-MTT v4 n2 Apr 56* 132
Comments; *T-MTT v5 n2 Apr 57* 165-167
- Mathis, H. F.: Synthetic transmission-line impedance transformers (Corresp.); *T-MTT v10 n4 Jul 62* 296-298
- Mathis, H. F.: Still another method for transforming impedances through lossless networks (Corresp.); *T-MTT v11 n3 May 63* 213-214
- Mathis, H. F.: Comment on 'Conditions for maximum power transfer'; *T-MTT v11 n5 Sep 63* 453
- Mathis, H. F.: Graphical procedures for finding matrix elements for a lattice network and a section of transmission line (Corresp.); *T-MTT v13 n1 Jan 65* 130-132
- Mathis, H. F.: Design of lossless junction, given one row in its scattering matrix (Corresp.); *T-MTT v14 n3 Mar 66* 159
- Mathis, Harold F., and Robert F. Mathis: Synthesizing air with a radome sandwich (Corresp.); *T-MTT v13 n5 Sep 65* 708
- Mathis, Robert F., see Mathis, Harold F.; *T-MTT v13 n5 Sep 65* 708
- Mathur, P. C., see Srivastava, G. P.; *T-MTT v24 n1 Jan 76* 56-57 (1E02)
- Matsuhara, Masanori, see Satomura, Yutaka; *T-MTT v22 n2 Feb 74* 86-92 (1A08)
- Matsuhara, Masanori, and Nobuaki Kumagai: Theory of coupled open transmission lines and its applications; *T-MTT v22 n4 Apr 74* 378-382 (1B14)
- Matsuhara, Masanori, see Geshiro, Masahiro; *T-MTT v26 n2 Feb 78* 115-119 (1E13)
- Matsuhara, Masanori, see Masaki, Yoshifumi; *T-MTT v26 n11 Nov 78* 852-855 (1A10)
- Matsumaru, Katsu: Reflection coefficient of E-plane tapered waveguides; *T-MTT v6 n2 Apr 58* 143-149
Comments; *T-MTT v7 n1 Jan 59* 175-176
- Matsumaru, Katsu: Reflection of a pyramidally tapered rectangular waveguide; *T-MTT v7 n2 Apr 59* 192-196
- Matsumoto, Akio, see Nagai, Nobuo; *T-MTT v22 n4 Apr 74* 353-359 (1A03)
- Matsumoto, Tadashi, see Hatsuda, Takeshi; *T-MTT v15 n11 Nov 67* 643-644
- Matsumoto, Tadashi, see Tatekura, Kohichi; *T-MTT v26 n7 Jul 78* 487-493 (1C05)
- Matsumura, Hajime, see Konishi, Yoshihiro; *T-MTT v27 n2 Feb 79* 168-170 (1F08)
- Matsumura, Masakiyo, and Hiroyuki Abe: Computer simulation of anomalous-mode oscillation in silicon avalanche diodes (Corresp.); *T-MTT v18 n11 Nov 70* 975-977
- Matsuo, Toyoki, see Shigesawa, Hiroshi; *T-MTT v26 n12 Dec 78* 992-997 (1E14)
- Matsuo, Yoshio, Yoshihiko Akaiwa, and Ichiro Takase: A compact 60-GHz transmitter-receiver; *T-MTT v24 n11 Nov 76* 794-797 (2B13)
- Matsuo, Yukito, see Masuda, Masamitsu; *T-MTT v19 n10 Oct 71* 834-836 (1E08)
- Matsuo, Yukito, see Masuda, Masamitsu; *T-MTT v22 n2 Feb 74* 132-135 (1D12)
- Matsuo, Yukito, see Okazaki, Kaoru; *T-MTT v24 n8 Aug 76* 527-529 (1C11)
- Matsuo, Yukito, see Yamada, Syoji; *T-MTT v25 n7 Jul 77* 600-605 (1C08)
- Mattauch, Robert J., see Kerr, Anthony R.; *T-MTT v25 n5 May 77* 399-401 (1E03)
- Mattauch, Robert J., see Cong, Hong-Ih; *T-MTT v27 n3 Mar 79* 245-248 (1C03)
- Matthaei, George L., see Jones, E. M. T.; *T-MTT v7 n4 Oct 59* 453-460
- Matthaei, George L.: Design of wide-band (and narrow-band) band-pass microwave filters on the insertion loss basis; *T-MTT v8 n6 Nov 60* 580-593
- Matthaei, George L.: A study of the optimum design of wide-band parametric amplifiers and up-converters; *T-MTT v9 n1 Jan 61* 23-38
- Matthaei, George L.: Design theory of up-converters for use as electronically-tunable filters; *T-MTT v9 n5 Sep 61* 425-435
- Matthaei, George L., see Gilden, Meyer; *T-MTT v9 n6 Nov 61* 484-490
- Matthaei, George L., see Young, Leo; *T-MTT v10 n6 Nov 62* 416-427. Correction, Mar 66 164
- Matthaei, George L.: Interdigital band-pass filters; *T-MTT v10 n6 Nov 62* 479-491
- Matthaei, George L., see Schiffman, Bernard M.; *T-MTT v12 n1 Jan 64* 6-15.
Correction, Sep 65 703
- Matthaei, George L., see Getsinger, W. J.; *T-MTT v12 n1 Jan 64* 77-87
- Matthaei, George L., see Cristal, Edward G.; *T-MTT v12 n1 Jan 64* 88-93
- Matthaei, George L.: Magnetically tunable band-stop filters; *T-MTT v13 n2 Mar 65* 203-212
- Matthaei, George L., and Edward G. Cristal: Multiplexer channel-separating units using interdigital and parallel-coupled filters; *T-MTT v13 n3 May 65* 328-334
- Matthaei, George L., see Schiffman, Bernard M.; *T-MTT v13 n5 Sep 65* 575-580
- Matthaei, George L., and D. B. Weller: Circular TE₀₁₁-mode, trapped-mode band-pass filters; *T-MTT v13 n5 Sep 65* 581-589
- Matthaei, George L., see Schiffman, Bernard M.; *T-MTT v13 n5 Sep 65* 699-700
- Matthaei, George L.: Short-step Chebyshev impedance transformers; *T-MTT v14 n8 Aug 66* 372-383
- Matthaei, George L., and David A. Leedom: Low-pass quasi-optical filters for oversized or focused-beam waveguide applications; *T-MTT v16 n12 Dec 68* 1038-1047
- Matthaei, George L., see Kotzebue, Kenneth L.; *T-MTT v17 n12 Dec 69* 1077-1086
- Matthaei, George L., and David A. Leedom: Quasi-optical low-pass filters which attenuate by absorption; *T-MTT v17 n12 Dec 69* 1123-1129
- Matthaei, George L., see Leedom, David A.; *T-MTT v18 n5 May 70* 253-259
- Matthaei, George L., David Y. Wong, and Brian P. O'Shaughnessy: Synthesis of two classes of acoustic surface-wave filter tap weights; *T-MTT v24 n1 Jan 76* 1-10 (1A03)
- Matthai, Wesley G.: On the pressure dependence of microwave crystal rectifiers; *T-MTT v6 n1 Jan 58* 112
- Matthai, Wesley G.: Experimental verification of the phase relationships in parametric amplifiers (Corresp.); *T-MTT v12 n3 May 64* 365-367
- Matthews, E. W., C. L. Cuccia, and M. D. Rubin: Technology considerations for the use of multiple beam antenna systems in communication satellites; *T-MTT v27 n12 Dec 79* 998-1004 (1F04)
- Matthews, E. W., Jr.: The use of scattering matrices in microwave circuits; *T-MTT v3 n3 Apr 55* 21-26
- Matthews, Edgar W., see Luksch, James A.; *T-MTT v9 n1 Jan 61* 44-52
- Matz, John E., see Brodwin, Morris E.; *T-MTT v24 n8 Aug 76* 514-521 (1B12)
- Maupin, John A., see Alexopoulos, Nicolaos G.; *T-MTT v28 n5 May 80* 459-466
- Maurer, Stewart J., and Leopold B. Felsen: Ray methods for trapped and slightly

- leaky modes in multilayered or multiwave regions; *T-MTT v18 n9 Sep 70* 584-595
- Mause, Klaus; Multiplexing and demultiplexing techniques with Gunn devices in the gigabit-per-second range; *T-MTT v24 n12 Dec 76* 926-929 (1B14)
- Mautz, J. R., and R. F. Harrington; Transmission from a rectangular waveguide into half space through a rectangular aperture (Computer program descr.); *T-MTT v26 n1 Jan 78* 44-45 (1D04)
- Comments, *T-MTT v26 n9 Sep 78* 690 (1E08)
- Mautz, Joseph R.; Mie series solution for a sphere (Computer program descr.); *T-MTT v26 n5 May 78* 375 (1E01)
- Mavaddat, R.; Millimeter wave attenuation through illuminated semiconductor panel (Corresp.); *T-MTT v18 n7 Jul 70* 360-364
- Mavaddat, R.; Millimeter wave power transmission and reflection in semiconductor image-converting systems (Corresp.); *T-MTT v19 n6 Jun 71* 555-558 (2B09)
- Maxwell, E., and B. J. Leon; Absolute measurement of receiver noise figures at UHF; *T-MTT v4 n2 Apr 56* 81-85
- Maxwell, S. P., see Waldron, R. A.; *T-MTT v13 n5 Sep 65* 711
- May, W. G., and B. R. McLeod; A waveguide isolator using InSb (Corresp.); *T-MTT v16 n10 Oct 68* 877-878
- May, W. G., see Kanda, Motohisa; *T-MTT v23 n6 Jun 75* 506-508 (1D06)
- May, William G., see McLeod, Bruce R.; *T-MTT v19 n6 Jun 71* 510-516 (1B10)
- May, William G., see Kanda, Motohisa; *T-MTT v21 n12 Dec 73* 786-790 (1E07)
- May, William G., see Kanda, Motohisa; *T-MTT v22 n11 Nov 74* 913-917 (1A03)
- Mayer, C. H.; Improved microwave noise measurements using ferrites; *T-MTT v4 n1 Jan 56* 24-28
- Mayer, R. J.; A resonant slope amplifier using a microwave pump frequency (Corresp.); *T-MTT v11 n1 Jan 63* 92
- Mayes, P. E., and J. D. Dyson; A note on the difference between equiangular and Archimedes spiral antennas (Corresp.); *T-MTT v9 n2 Mar 61* 203-204
- Comments and authors' reply, *T-MTT v9 n2 Mar 61* 204-205
- Mayo, B. J., see Birtles, A. B.; *T-MTT v21 n8 Aug 73* 568-569
- Maystre, D., see Bliok, Patrick J.; *T-MTT v28 n10 Oct 80* 1119-1125
- Mazumdar, Jagannath; A method for the study of TE and TM modes in waveguides of very general cross section; *T-MTT v28 n9 Sep 80* 991-995
- Mazumder, Shamsur R., and P. D. van der Puije; 'Two-signal' method of measuring the large-signal S-parameters of transistors; *T-MTT v26 n6 Jun 78* 417-420 (1C11)
- Mazumder, Shamsur R., Ataollah Azizi, and Fred E. Gardiol; Improvement of a class-C transistor power amplifier by second-harmonic tuning; *T-MTT v27 n5 May 79* 430-433 (1E12)
- Mazzola, Vincent, and Joel E. Becker; Coupler-type bend for pillbox antennas; *T-MTT v15 n8 Aug 67* 462-468
- McAfee, R. D.; Analeptic effect of microwave irradiation on experimental animals (Corresp.); *T-MTT v19 n2 Feb 71* 251-253 (3C08)
- McAulay, Alastair D.; Variational finite-element solution for dissipative waveguides and transportation application; *T-MTT v25 n5 May 77* 382-392 (1C14)
- McBretney, J., and M. J. Howes; Electrical characterization of transferred electron devices by a novel galvanomagnetic technique; *T-MTT v27 n3 Mar 79* 256-265 (1C14)
- McCain, Douglas C.; A plasma video detector (Corresp.); *T-MTT v18 n1 Jan 70* 64-65
- McCall, G., see Bady, Isidore; *T-MTT v11 n5 Sep 63* 442-443
- McCartner, R. S., and E. F. Landry; K_a -band ferrite phase shifter (Corresp.); *T-MTT v9 n3 May 61* 271
- McChesney, G., and V. Dunn; Broadband, lumped element UHF circulator (Corresp.); *T-MTT v15 n3 Mar 67* 198-199
- McColl, Malcolm; Conversion loss limitations on Schottky-barrier mixers (Short p.); *T-MTT v25 n1 Jan 77* 54-59 (1D14)
- McColl, Malcolm, see Vernon, Frank L., Jr.; *T-MTT v25 n4 Apr 77* 286-294 (1D06)
- McColl, Malcolm, Dean T. Hodges, and W. A. Garber; Submillimeter-wave detection with submicron-size Schottky-barrier diodes; *T-MTT v25 n6 Jun 77* 463-467 (1A11)
- McCombe, B. D., see Strom, U.; *T-MTT v22 n12 Dec 74* 1117 (2C14)
- McCormick, Glendon C.; Propagation through a twisted medium; *T-MTT v15 n8 Aug 67* 443-450
- McCoy, Gary L., see Huang, Chern I.; *T-MTT v24 n1 Jan 76* 61-63 (1E07)
- McCulloch, Duncan, see Robinson, J. Eugene; *T-MTT v26 n8 Aug 78* 546-549 (1C04)
- McDaniel, A. V., Jr., see Peppiatt, Harry J.; *T-MTT v13 n1 Jan 65* 44-47
- McDaniel, A. V., Jr., see Peppiatt, Harry J.; *T-MTT v16 n9 Sep 68* 748-752
- McDermott, Eugene C., Jr., see Denlinger, Edgar J.; *T-MTT v23 n12 Dec 75* 953-958 (1B01)
- McDermott, M., see Helszajn, J.; *T-MTT v18 n1 Jan 70* 50-52
- McDermott, M., see Helszajn, Joseph; *T-MTT v20 n2 Feb 72* 187-188 (2E09)
- McDiarmid, D. R.; Mode separation and group velocity at the m -modes of a dielectrically loaded slow wave structure (Corresp.); *T-MTT v16 n5 May 68* 318-319
- McDiarmid, Don R., and George B. Walker; Two examples of 'confluence' in periodic slow wave structures; *T-MTT v16 n1 Jan 68* 2-6
- McDonald, Bruce H., and Alvin Wexler; Finite-element solution of unbounded field problems; *T-MTT v20 n12 Dec 72* 841-847 (1F04)
- McDonald, Bruce H., Menahem Friedman, and Alvin Wexler; Variational solution of integral equations; *T-MTT v22 n3 Mar 74* 237-248. Correction, Feb 75 265-266 (1G03)
- McDonald, D. G., see Edrich, Jochen; *T-MTT v25 n6 Jun 77* 476-479 (1B10)
- McDonald, N. A.; Measurements of intercavity couplings (Ltr.); *T-MTT v24 n3 Mar 76* 162 (1C08)
- McDonald, N. A.; Resonant cavities used as frequency selective phase shifters (Ltr.); *T-MTT v25 n10 Oct 77* 855-856 (1D09)
- McDonald, Noel A.; Electric and magnetic coupling through small apertures in shield walls of any thickness; *T-MTT v20 n10 Oct 72* 689-695 (2B01)
- McDuff, Odys P.; Measuring the ω - β diagram of periodic structures (Corresp.); *T-MTT v10 n4 Jul 62* 295-296
- McDuff, Odys P., Harold Mott, and Clay S. Durrett Jr.; Back-scattering measurements of a slowly moving target; *T-MTT v12 n5 Sep 64* 541-546
- McGee, J. D.; Tunable two-mode cavity with capacitive loading (Corresp.); *T-MTT v8 n5 Sep 60* 569-570
- McGeoch, Charles R., Jr., see Frost, Albert D.; *T-MTT v4 n4 Oct 56* 218-222
- McGoogan, Joseph T.; Satellite altimetry applications; *T-MTT v23 n12 Dec 75* 970-978 (1C04)
- McGough, B.; Comment on 'Isolation of lossy transmission line hybrid circuits'; *T-MTT v15 n11 Nov 67* 652-653
- McGowan, Joseph W., see Wright, William H., Jr.; *T-MTT v16 n8 Aug 68* 557-559
- McGowan, Joseph W., see Carter, John L.; *T-MTT v17 n4 Apr 69* 231-232
- McGowan, Joseph W., see Carter, John L.; *T-MTT v18 n9 Sep 70* 652-654
- McIntosh, R. E.; Harmonic generation inside a plasma column at resonance (Corresp.); *T-MTT v16 n11 Nov 68* 950-951
- McIntosh, R. E., and L. J. Turgeon; Analysis of lossy inhomogeneous waveguides using shooting methods (Short p.); *T-MTT v22 n11 Nov 74* 952-954 (1C14)
- McIntosh, Robert E., and Luke J. Turgeon; Propagation along transversely inhomogeneous coaxial transmission lines (Short p.); *T-MTT v21 n3 Mar 73* 139-142 (1C09)
- McIntyre, R. M., see Buscher, H. T.; *T-MTT v19 n12 Dec 71* 950-951 (1F10)
- McIsaac, P. R.; Comments on 'Rectangular waveguides with impedance walls' by Dybdal, R. B., et al.; *T-MTT v22 n11 Nov 74* 972-973
- McIsaac, Paul R., see Knorr, Jeffrey B.; *T-MTT v19 n11 Nov 71* 854-861 (1C02)
- McIsaac, Paul R.; Symmetry-induced modal characteristics of uniform waveguides—Part I: Summary of results; *T-MTT v23 n5 May 75* 421-429 (1B09)
- McIsaac, Paul R.; Symmetry-induced modal characteristics of uniform waveguides—Part II: Theory; *T-MTT v23 n5 May 75* 429-433 (1C03)
- McIsaac, Paul R.; Bidirectionality in gyrotropic waveguides (Short p.); *T-MTT v24 n4 Apr 76* 223-226 (1E05)
- McIsaac, Paul R.; A general reciprocity theorem; *T-MTT v27 n4 Apr 79* 340-342 (1D08)
- McKay, H. Dean; Application of computer-controlled spectrum surveillance systems to crime countermeasures; *T-MTT v20 n1 Jan 72* 69-74 (2C04)
- McLaughlin, John W., Donald A. Dunn, and R. W. Grow; A wide-band balun; *T-MTT v6 n3 Jul 58* 314-316
- McLeod, B. R., see May, W. G.; *T-MTT v16 n10 Oct 68* 877-878
- McLeod, Bruce R., and William G. May; A 35-GHz isolator using a coaxial solid-state plasma in a longitudinal magnetic field; *T-MTT v19 n6 Jun 71* 510-516 (1B10)
- McLevige, William V., Tatsuo Itoh, and Raj Mittra; New waveguide structures for millimeter-wave and optical integrated circuits; *T-MTT v23 n10 Oct 75* 788-794 (1A10)
- McManus, James W., see Passaro, William C.; *T-MTT v14 n12 Dec 66* 669-672
- McMaster, Thomas F., Martin V. Schneider, and William W. Snell Jr.; Millimeter-wave receivers with subharmonic pump; *T-MTT v24 n12 Dec 76* 948-952 (1D08)
- McMaster, Thomas F., see Carlson, Eric R.; *T-MTT v26 n10 Oct 78* 706-715 (1A04)
- McMillan, R. W., J. J. Gallagher, and A. M. Cook Jr.; Calculations of antenna temperature, horizontal path attenuation, and zenith attenuation due to water vapor in the frequency band 150-700 GHz; *T-MTT v25 n6 Jun 77* 484-488 (1C04)
- McMillan, Robert W., see Wrixon, Gerard T.; *T-MTT v26 n6 Jun 78* 434-439 (1D14)
- McNichol, James J., see Krongelb, Sol; *T-MTT v10 n4 Jul 62* 236-251
- McPhedran, Ross C., see Bliok, Patrick J.; *T-MTT v28 n10 Oct 80* 1119-1125
- McPhun, Michael K., see Green, Peter E.; *T-MTT v17 n8 Aug 69* 527-533
- McQuiddy, David N., see Mott, Harold; *T-MTT v15 n3 Mar 67* 180-181
- McRitchie, W. Kenneth, and John C. Beal; Yagi-Uda array as a surface-wave launcher for dielectric image lines; *T-MTT v20 n8 Aug 72* 493-496 (1B03)
- McStay, John, see Helszajn, Joseph; *T-MTT v18 n9 Sep 70* 518-524
- McStay, John, see Helszajn, Joseph; *T-MTT v20 n7 Jul 72* 437-446 (1C03)
- Mecklenbräuker, Wolfgang F. G., see Rozzi, T. E.; *T-MTT v23 n2 Feb 75* 235-245 (1D11)
- Medd, W. J.; Characteristics of argon noise source tubes at S-band (Corresp.); *T-MTT v7 n3 Jul 59* 395
- Medhurst, R. G.; Addendum to 'Bibliography on directional couplers'; *T-MTT v3 n3 Apr 55* 42-43
- Medley, Max W., Jr., and James Lamar Allen; Broad-band GaAs FET amplifier design using negative-image device models; *T-MTT v27 n9 Sep 79* 784-788 (1B04)
- Medved, David B.; An electronic scan using a ferrite aperture Luneberg lens system; *T-MTT v6 n1 Jan 58* 101-104
- Meguro, Takeshi, see Ito, Yukio; *T-MTT v19 n12 Dec 71* 900-905 (1B08)
- Meguro, Takeshi, see Ito, Yukio; *T-MTT v20 n12 Dec 72* 799-805 (1B10)
- Mehal, Edward W., and Robert W. Wacker; GaAs integrated microwave circuits; *T-MTT v16 n7 Jul 68* 451-454
- Mehran, Reza; Calculation of microstrip bends and Y-junctions with arbitrary angle; *T-MTT v26 n6 Jun 78* 400-405 (1B08)
- Mehran, Reza; Computer-aided design of microstrip filters considering dispersion, loss, and discontinuity effects; *T-MTT v27 n3 Mar 79* 239-245 (1B11)
- Meier, Paul J., and Harold A. Wheeler; Dielectric-lined circular waveguide with increased usable bandwidth; *T-MTT v12 n2 Mar 64* 171-175
- Meier, Paul J., and Sidney Arnow; Wide-band polarizer in circular waveguide loaded with dielectric discs; *T-MTT v13 n6 Nov 65* 763-767
- Meier, Paul J.; Latching reciprocal polarization-insensitive phase shifter (Corresp.); *T-MTT v16 n11 Nov 68* 958-959
- Meier, Paul J., Herman C. Okean, and Eugene W. Sard; Integrated X-band sweeping superheterodyne receiver; *T-MTT v19 n7 Jul 71* 600-609 (1D10)
- Meier, Paul J., see Okean, Herman C.; *T-MTT v20 n2 Feb 72* 165-172 (2C11)
- Meier, Paul J.; Low-noise mixer in oversized microstrip for 5-mm band (Short p.); *T-MTT v22 n4 Apr 74* 450-451 (2C12)
- Meier, Paul J.; Integrated fin-line millimeter components; *T-MTT v22 n12 Dec 74* 1209-1216
- Meier, Paul J.; Millimeter integrated circuits suspended in the E-plane of rectangular waveguide; *T-MTT v26 n10 Oct 78* 726-733 (1B10)
- Meindl, James D., see Jacobs, Harold; *T-MTT v8 n5 Sep 60* 553-559
- Meixner, R. P., and J. P. Lawrence; CIA (Circulator analysis) (Computer program descr.); *T-MTT v25 n1 Jan 77* 77-78 (1F09)
- Melchiorri, B., see Corsi, S.; *T-MTT v22 n12 Dec 74* 1036-1041 (1E02)
- Melchiorri, B., see Dall'Oglio, G.; *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Melchiorri, F., see Corsi, S.; *T-MTT v22 n12 Dec 74* 1036-1041 (1E02)
- Melchor, J. L., see Vartanian, P. H.; *T-MTT v4 n1 Jan 56* 8-13
- Melchor, Jack L., and Perry H. Vartanian; Temperature effects in microwave ferrite devices; *T-MTT v7 n1 Jan 59* 15-18
- Mellon, Donald W., and William D. Daniels; Development of a pulse compression distance measuring equipment system using surface acoustic wave devices (Short p.); *T-MTT v22 n12 Dec 74* 1308-1312 (5B14)
- Mellor, Douglas J., and John G. Linvill; Synthesis of interstage networks of prescribed gain versus frequency slopes; *T-MTT v23 n12 Dec 75* 1013-1020 (1F05)
- Memelink, Oscar W., see de Ronde, Frans C.; *T-MTT v8 n3 May 60* 325-327
- Memita, Tadashi, see Komaki, Shozo; *T-MTT v24 n6 Jun 76* 367-372 (2A01)

- Mencaraglia, F., see Corsi, S.; *T-MTT* v22 n12 Dec 74 1036-1041 (1E02)
- Méndez, Horacio A.; On the theory of low-frequency excitation of cavity resonators; *T-MTT* v18 n8 Aug 70 444-448
- Mendonça, J. T.; Two oversize waveguide-polarization diplexers (Short p.); *T-MTT* v21 n9 Sep 73 586-587 (1C04)
- Menzel, W.; Calculation of the S-parameters of an unsymmetric microstrip T-junction (Computer program descr.); *T-MTT* v26 n3 Mar 78 217 (1F13)
- Menzel, Wolfgang, see Wolff, Ingo; *T-MTT* v23 n5 May 75 441-444 (1D01)
- Menzel, Wolfgang, and Ingo Wolff; A method for calculating the frequency-dependent properties of microstrip discontinuities; *T-MTT* v25 n2 Feb 77 107-112 (1B13)
- Mercer, P., see Cowan, D. A.; *T-MTT* v25 n12 Dec 77 995-1000 (1C05)
- Meredith, Ronald, and Geoffrey H. Preece; A range of 2 and 1 millimeter waveguide components; *T-MTT* v11 n5 Sep 63 332-338
- Meredith, Ronald, and Frank L. Warner; Superheterodyne radiometers for use at 70 Gc and 140 Gc; *T-MTT* v11 n5 Sep 63 397-411. Correction, Jul 64 471
- Messenger, George C.; Cooling of microwave crystal mixers and antennas; *T-MTT* v5 n1 Jan 57 62-63
- Metlay, William, see Kaplan, Ira T.; *T-MTT* v19 n2 Feb 71 168-173 (1E08)
- Meyer, E. R., see Branner, G. R.; *T-MTT* v20 n2 Feb 72 176-178 (2D10)
- Meyer, H. J. G., see de Ronde, Frans C.; *T-MTT* v8 n3 May 60 325-327
- Meyer, Maurice A., and Harold B. Goldberg; Applications of the turnstile junction; *T-MTT* v3 n6 Dec 55 40-45
- Meyer, Wolfgang; Dielectric measurements on polymeric materials by using superconducting microwave resonators; *T-MTT* v25 n12 Dec 77 1092-1099 (2C10)
- Meyer, Wolfgang, see Hoppe, Wolfgang; *T-MTT* v28 n12 Dec 80 1449-1452
- Meyerhoff, James L., see Lenox, Robert H.; *T-MTT* v24 n1 Jan 76 58-61 (1E04)
- Meyerhoff, James L., Om P. Gandhi, John H. Jacobi, and Robert H. Lenox; Comparison of microwave irradiation at 986 versus 2450 MHz for *in vivo* inactivation of brain enzymes in rats; *T-MTT* v27 n3 Mar 79 267-270 (1D11)
- Meys, R. P.; A wave approach to the noise properties of linear microwave devices; *T-MTT* v26 n1 Jan 78 34-37 (1C08)
- Michaelson, Sol M.; The Tri-Service Program—A tribute to George M. Knauf USAF (MC); *T-MTT* v19 n2 Feb 71 131-146 (1B07)
- Michaelson, Sol M., and Michael J. Suess; An international program for microwave exposure protection (Short p.); *T-MTT* v22 n12 Dec 74 1301-1302 (5B07)
- Micheletti, F. B., see Hagon, P. J.; *T-MTT* v21 n4 Apr 73 303-306 (3D11)
- Michelson, Max, and John F. Moore; Resonator and preselector in balanced strip line; *T-MTT* v3 n2 Mar 55 170-174
- Midford, Thomas A., see Bowers, Harold C.; *T-MTT* v18 n11 Nov 70 943-951
- Midford, Thomas A., see Obah, Chuka O. G.; *T-MTT* v23 n12 Dec 75 959-970. Correction, Mar 76 163 (1B07)
- Midford, Thomas A., and Robert L. Bernick; Millimeter-wave CW IMPATT diodes and oscillators; *T-MTT* v27 n5 May 79 483-492 (2B10)
- Miesch, R. A., see Strauch, R. G.; *T-MTT* v13 n6 Nov 65 873
- Migita, Masatoshi, Masaru Miyazaki, and Katsutoshi Saito; High-power Gunn oscillator diodes on type-IIa diamond heat sinks (Corresp.); *T-MTT* v18 n11 Nov 70 1004-1005
- Mih, David W. T., see Lakin, Kenneth M.; *T-MTT* v22 n8 Aug 74 763-768 (1A09)
- Mihran, Theodore G.; Microwave oven mode tuning by slab dielectric loads; *T-MTT* v26 n6 Jun 78 381-387 (1A03)
- Miki, Shichiro, see Yoshida, Toshio; *T-MTT* v20 n11 Nov 72 739-743 (1D03)
- Mikoshiba, Koichi, and Masao Kamimura; Leaky waveguide: Circular TE₀₁ circular waveguide with periodic array of circular apertures; *T-MTT* v17 n1 Jan 69 15-19
- Mikoshiba, Koichi, and Shigeo Nishida; Helix leaky waveguide; *T-MTT* v17 n2 Feb 69 66-73
- Mikoshiba, Koichi, see Kamimura, Masao; *T-MTT* v18 n7 Jul 70 348-351
- Mikuteit, S., see Buscher, H. T.; *T-MTT* v19 n12 Dec 71 950-951 (1F10)
- Milano, Ugo, Joseph H. Saunders, and Luther Davis Jr.; A Y-junction strip-line circulator; *T-MTT* v8 n3 May 60 346-351
- Miles, Thomas P., see Miller, Barbara A.; *T-MTT* v15 n10 Oct 67 554-561
- Milewski, Andrzej, see Kączkowski, Andrzej; *T-MTT* v28 n3 Mar 80 228-231
- Milewski, Andrzej, see Kączkowski, Andrzej; *T-MTT* v28 n3 Mar 80 225-228
- Millanta, L., see Bini, M.; *T-MTT* v20 n11 Nov 72 771-773 (2B02)
- Miller, R. F.; On the legitimacy of an assumption underlying the point-matching method (Corresp.); *T-MTT* v18 n6 Jun 70 325-327
- Millie, Michael F., see Vernon, Frank L., Jr.; *T-MTT* v25 n4 Apr 77 286-294 (1D06)
- Miller, Barbara A., Thomas P. Miles, and Donald C. Cox; A design technique for realizing a microwave tunnel-diode amplifier in stripline; *T-MTT* v15 n10 Oct 67 554-561
- Miller, Barbara A.; A tunnel-diode harmonic-mode mixer (Corresp.); *T-MTT* v17 n2 Feb 69 121-124
- Miller, D. J., see Morris, L. C.; *T-MTT* v12 n4 Jul 64 421-428
- Miller, David B.; An experimental X-band electron-cyclotron-resonance plasma accelerator (Corresp.); *T-MTT* v14 n3 Mar 66 162-164
- Miller, Donald A., see Brodwin, Morris E.; *T-MTT* v12 n5 Sep 64 496-503
- Miller, R. H., see Szente, P. A.; *T-MTT* v11 n4 Jul 63 263
- Miller, R. H., see Mallory, K. B.; *T-MTT* v11 n5 Sep 63 433-434
- Miller, R. H., K. B. Mallory, and P. A. Szente; A measurement of bolometer mount efficiency at millimeter wavelengths (Corresp.); *T-MTT* v11 n5 Sep 63 435-436
- Miller, R. H., see Mallory, K. B.; *T-MTT* v14 n2 Feb 66 99-100
- Miller, S. E.; Some coupled-wave theory and application to waveguides (Abstr.); *T-MTT* v1 n1 Mar 53 14
- Millet, Murray R.; Microwave switching by crystal diodes; *T-MTT* v6 n3 Jul 58 284-290
- Millican, George L., and Robert C. Wales; Practical strip-line microwave circuit design; *T-MTT* v17 n9 Sep 69 696-705
- Milligan, Thomas A.; Transmission-line transformation between arbitrary impedances (Ltr.); *T-MTT* v24 n3 Mar 76 159 (1C05)
- Comments by Potok, M. H. N., Jan 77 77
- Milligan, Thomas A.; Dimensions of microstrip coupled lines and interdigital structures (Short p.); *T-MTT* v25 n5 May 77 405-410 (1E09)
- Miller, John A., see Pontek, Gerald E.; *T-MTT* v26 n8 Aug 78 535-540 (1B07)
- Milnes, Arthur G., see Leighton, William H., Jr.; *T-MTT* v17 n1 Jan 69 49-51
- Milnes, Arthur G., see Leighton, William H., Jr.; *T-MTT* v19 n10 Oct 71 818-824 (1D04)
- Milosevic, Ljubinko J., and René Vautey; Traveling-wave resonators; *T-MTT* v6 n2 Apr 58 136-143
- Milton, A. Fenner, see Andrews, R. A.; *T-MTT* v21 n12 Dec 73 763-769 (1C08)
- Milward, R. C.; Recent advances in commercial Fourier spectrometers for the submillimeter wavelength region; *T-MTT* v22 n12 Dec 74 1018-1023 (1C12)
- Mimura, Takashi, see Yokoyama, Naoki; *T-MTT* v28 n5 May 80 483-486
- Minai, Yasuo, see Maeda, Minoru; *T-MTT* v22 n12 Dec 74 1226-1230 (4B11)
- Minakovic, B.; A note on the dielectric-filled waveguide as a delay line for pulse compression (Corresp.); *T-MTT* v19 n6 Jun 71 562-563 (2C04)
- Minakovic, B., and S. Gokgor; Attenuation and phase-shift coefficients in dielectric-loaded periodic waveguides (Ltr.); *T-MTT* v21 n8 Aug 73 568 (2D02)
- Minasian, Robert Aram; Intermodulation distortion analysis of MESFET amplifiers using the Volterra series representation; *T-MTT* v28 n1 Jan 80 1-8
- Mingins, Charles R., see Frost, Albert D.; *T-MTT* v3 n2 Mar 55 10-12
- Mingins, Charles R., see Pease, Robert L.; *T-MTT* v3 n2 Mar 55 144-148
- Mingins, Charles R., see Frost, Albert D.; *T-MTT* v4 n4 Oct 56 218-222
- Mink, J. W., see Lonngren, K. E.; *T-MTT* v12 n5 Sep 64 548-549
- Mink, J. W.; Experimental investigation with an iris beam waveguide (Corresp.); *T-MTT* v17 n1 Jan 69 48-49. Correction, Aug 69 641
- Mink, James W., and Elmer H. Scheibe; A dual-mode beam waveguide resonator and frequency stabilizer at millimeter-wave frequencies; *T-MTT* v14 n5 May 66 222-228
- Mink, James W., see Christian, J. R.; *T-MTT* v15 n4 Apr 67 216-219
- Minor, James C., and Donald M. Bolle; Modes in the shielded microstrip on a ferrite substrate transversely magnetized in the plane of the substrate; *T-MTT* v19 n7 Jul 71 570-577 (1B04)
- Mirshakar-Syahkal, D., see Davies, J. Brian; *T-MTT* v25 n2 Feb 77 143-146 (1E07)
- Mirshakar-Syahkal, D., and J. Brian Davies; Accurate solution of microstrip and coplanar structures for dispersion and for dielectric and conductor losses; *T-MTT* v27 n7 Jul 79 694-699 (1E12)
- Mirshakar-Syahkal, D., and J. Brian Davies; Computation of the shielded and coupled microstrip parameters in suspended and conventional form (Computer program descr.); *T-MTT* v28 n3 Mar 80 274-275
- Misawa, T., and N. D. Kenyon; An oscillator circuit with cap structures for millimeter-wave IMPATT diodes (Corresp.); *T-MTT* v18 n11 Nov 70 969-970
- Mishima, Katsuhiko, see Tajima, Yusuke; *T-MTT* v27 n5 May 79 386-391 (1B10)
- Mishra, S. R., and R. P. Wadhwa; Development of an X-band waveguide frequency discriminator (Corresp.); *T-MTT* v18 n9 Sep 70 660-661
- Mitama, Masataka, and Hidehiko Katoh; An improved computational method for noise parameter measurement; *T-MTT* v27 n6 Jun 79 612-615 (1E02)
- Mitchell, D., see Maher, B.; *T-MTT* v14 n1 Jan 66 42-43
- Mitchell, H. R., see Stewart, J. A. Carson; *T-MTT* v18 n11 Nov 70 835-842
- Mitchell, John L., see Jones, W. Linwood; *T-MTT* v23 n12 Dec 75 1053-1058 (2B04)
- Mitchell, Peter G., see Luce, D. A.; *T-MTT* v24 n1 Jan 76 50-54 (1D10)
- Mitsui, Shigeru; CW Gunn diodes in composite structure; *T-MTT* v17 n12 Dec 69 1158-1160
- Mitsui, Shigeru, see Nishitani, Kazuo; *T-MTT* v25 n12 Dec 77 973-977 (1A11)
- Mitsui, Shigeru, see Mitsui, Yasuo; *T-MTT* v25 n12 Dec 77 981-984 (1B05)
- Mitsui, Yasuo, Masaaki Nakatani, and Shigeru Mitsui; Design of GaAs MESFET oscillator using large-signal S-parameters; *T-MTT* v25 n12 Dec 77 981-984 (1B05)
- Mitra, Raj, and Ray J. King; An impedance transformation method for finding the load impedance of a two-port network; *T-MTT* v10 n1 Jan 62 13-19
- Mitra, Raj, see Yamashita, Eikichi; *T-MTT* v16 n4 Apr 68 251-256
- Mitra, Raj, see VanBlaricum, Glenn F., Jr.; *T-MTT* v17 n6 Jun 69 302-309
- Mitra, Raj, see Itoh, Tatsuo; *T-MTT* v17 n6 Jun 69 319-327
- Mitra, Raj, see Itoh, T.; *T-MTT* v18 n1 Jan 70 54-55
- Mitra, Raj, and Tatsuo Itoh; Charge and potential distributions in shielded striplines; *T-MTT* v18 n3 Mar 70 149-156
- Mitra, Raj, and Tatsuo Itoh; A new technique for the analysis of the dispersion characteristics of microstrip lines; *T-MTT* v19 n1 Jan 71 47-56 (1F01)
- Mitra, Raj, Tatsuo Itoh, and Ti-Shu Li; Analytical and numerical studies of the relative convergence phenomenon arising in the solution of an integral equation by the moment method; *T-MTT* v20 n2 Feb 72 96-104 (1B10)
- Mitra, Raj, see Royer, Erlind G.; *T-MTT* v20 n4 Apr 72 273-279 (1D07)
- Mitra, Raj, see Itoh, Tsutomu; *T-MTT* v20 n12 Dec 72 847-849 (2B01)
- Mitra, Raj, see Itoh, Tatsuo; *T-MTT* v21 n6 Jun 73 431-432 (2C08)
- Mitra, Raj, see Itoh, Tatsuo; *T-MTT* v21 n7 Jul 73 496-499 (2C03)
- Mitra, Raj, see Itoh, Tatsuo; *T-MTT* v22 n2 Feb 74 99-102 (1B07)
- Mitra, Raj, see Rahmat-Samii, Yahya; *T-MTT* v22 n4 Apr 74 372-378 (1B08)
- Mitra, Raj, see Itoh, Tatsuo; *T-MTT* v22 n10 Oct 74 896-898 (1D08)
- Mitra, Raj, and T. Itoh; A method for measuring the refractive index profile of thin-film waveguides (Ltr.); *T-MTT* v23 n1 Jan 75 176-177 (2G01)
- Mitra, Raj, see McLeve, William V.; *T-MTT* v23 n10 Oct 75 788-794 (1A10)
- Mitra, Raj, Yun-Li Hou, and Vahraz Jamnejad; Analysis of open dielectric waveguides using mode-matching technique and variational methods; *T-MTT* v28 n1 Jan 80 36-43
- Mitra, Raj, see VanBlaricum, Glenn F., Jr.; *T-MTT* v17 n6 Jun 69 310-319
- Miura, Taro, and Tadashi Hashimoto; Authors' reply to 'Comments on a new concept for broadbanding the ferrite substrate circulator based on experimental modal analysis (Ltr.); *T-MTT* v22 n1 Jan 74 71-72 (1F04)
- Miyagi, Masahisa; Parallel push-pull hybrid circuit; *T-MTT* v10 n1 Jan 62 34-40
- Miyagi, Mitsunobu, and Shigeo Nishida; A proposal of low-loss leaky waveguide for submillimeter waves transmission; *T-MTT* v28 n4 Apr 80 398-401
- Miyagi, Mitsunobu, and Shigeo Nishida; Transmission characteristics of dielectric tube leaky waveguide; *T-MTT* v28 n6 Jun 80 536-541
- Miyauchi, Kazuhiro; Traveling-wave tube nanosecond pulse generator in 24-Gc region; *T-MTT* v11 n1 Jan 63 3-17
- Miyauchi, Kazuhiro; Observation of nanosecond carrier pulses; *T-MTT* v12 n2 Mar 64 221-230
- Miyauchi, Kazuhiro, and Osamu Ueda; High-speed microwave switches using silver-bonded diodes in the 11-Gc region (Corresp.); *T-MTT* v12 n3 May 64 368-369
- Miyauchi, Shinichi, see Miyoshi, Tanroku; *T-MTT* v28 n3 Mar 80 210-214
- Miyazaki, Masaru, see Migita, Masatoshi; *T-MTT* v18 n11 Nov 70 1004-1005
- Miyazawa, Keisuke, see Okamoto, Hiroshi; *T-MTT* v26 n2 Feb 78 136 (1G06)
- Miyazawa, Keisuke, see Okamoto, Hiroshi; *T-MTT* v26 n8 Aug 78 627-628 (2B01)
- Miyoshi, Tanroku, see Okoshi, Takanori; *T-MTT* v20 n4 Apr 72 245-252 (1B03)
- Miyoshi, Tanroku, S. Yamaguchi, and Shinji Goto; Ferrite planar circuits in microwave integrated circuits; *T-MTT* v25 n7 Jul 77 593-600 (1C01)
- Miyoshi, Tanroku, and Shinichi Miyauchi; The design of planar circulators for wide-band operation; *T-MTT* v28 n3 Mar 80 210-214
- Mizobuchi, Akihito, and Hidetoshi Kurebayashi; Nonreciprocal remanence ferrite phase shifters using the grooved waveguide; *T-MTT* v26 n12 Dec 78 1012-1016 (1G06)

- Mizuno, Hideki, see Tohyama, Hideki; *T-MTT* v27 n5 May 79 408-411 (1D04)
- Mizuno, K., Y. Daiku, and S. Ono; Design of printed resonant antennas for monolithic-diode detectors; *T-MTT* v25 n6 Jun 77 470-472 (1B04)
- Mizushima, S., and T. Ohsuka; The ridged-waveguide-cavity Gunn oscillator for wide-band tuning (Short p.); *T-MTT* v24 n5 May 76 257-259 (1B09)
- Mizushima, Shizuo, Nobuo Kuwabara, and Hiroshi Kondoh; Theoretical analysis of a ridged-waveguide mounting structure (Short p.); *T-MTT* v25 n12 Dec 77 1131-1134 (2F07)
- Mizushima, Shizuo, Hiroshi Kondoh, and Mitsuaki Ashiki; Corporate and tandem structures for combining power from $3N$ and $2n+1$ oscillators; *T-MTT* v28 n12 Dec 80 1428-1432
- Mizutani, Takashi, Naoki Kato, Masao Ida, and Masamichi Ohmori; High-speed enhancement-mode GaAs MESFET logic; *T-MTT* v28 n5 May 80 479-483
- Mohr, Hans J.; A reactive fourth-harmonic filter operating at 400-kW CW; *T-MTT* v26 n5 May 78 341-345 (1B09)
- Mohr, Max C., and Stephen Monaghan; Circularly-polarized phase shifter for use in phased array antennas; *T-MTT* v14 n12 Dec 66 672-683
- Mohr, Richard J., and Seymour Okwit; A note on the optimum source conductance of crystal mixers; *T-MTT* v8 n6 Nov 60 622-627
- Mohr, Richard J.; A microwave power divider (Corresp.); *T-MTT* v9 n6 Nov 61 573
- Mohr, Richard J.; Broad-band microwave discriminator (Corresp.); *T-MTT* v11 n4 Jul 63 263-264
- Comments, *T-MTT* v12 n2 Mar 64 255-256
- Mok, C. K., see Craven, George F.; *T-MTT* v19 n3 Mar 71 295-308 (1E03)
- Mok, C. K.; Design of evanescent-mode waveguide diplexers; *T-MTT* v21 n1 Jan 73 43-48 (1E09)
- Mokari-Bolhassan, M. E., and Walter H. Ku; Transfer function approximations for a new class of bandpass distributed network structures; *T-MTT* v25 n10 Oct 77 837-847 (1C05)
- Mokari-Bolhassan, M. E., and Walter H. Ku; Gain-bandwidth limitations and synthesis of single-stub bandpass transmission line structures; *T-MTT* v25 n10 Oct 77 848-852 (1D02)
- Molberg, James R., and Donald K. Reynolds; Iterative solutions of the scalar Helmholtz equation in lossy regions; *T-MTT* v17 n8 Aug 69 460-464
- Moll, Nicolas J.; Coupling of circuit structures to magnetostatic modes of ferromagnetic resonators; *T-MTT* v25 n11 Nov 77 933-938 (1E13)
- Monaco, Vito A., and Paolo Tiberio; Computer-aided analysis of microwave circuits; *T-MTT* v22 n3 Mar 74 249-263 (2A01)
- Monaco, Vito A., see Bonfatti, Flavio; *T-MTT* v22 n3 Mar 74 264-269 (2B02)
- Monaco, Vito Antonio, see Filicori, Fabio; *T-MTT* v27 n12 Dec 79 1043-1051 (2B08)
- Monaghan, S. R., see Hanfling, J. D.; *T-MTT* v20 n8 Aug 72 549-552 (2B04)
- Monaghan, Stephen, see Mohr, Max C.; *T-MTT* v14 n12 Dec 66 672-683
- Mongold, G. H., see Smith, P. H.; *T-MTT* v12 n1 Jan 64 55-58
- Monroe, John W.; The effects of package parasitics on the stability of microwave negative resistance devices; *T-MTT* v21 n11 Nov 73 731-735 (2D01)
- Montgomery, James P.; On the complete eigenvalue solution of ridged waveguide; *T-MTT* v19 n6 Jun 71 547-555 (2B01)
- Montgomery, James P., and Leonard Lewin; Note on an E -plane waveguide step with simultaneous change of media (Short p.); *T-MTT* v20 n11 Nov 72 763-764 (1F03)
- Montgomery, James P., see Lewin, Leonard; *T-MTT* v20 n12 Dec 72 849-852 (2B03)
- Montress, Gary K., and Madhu Sudan Gupta; Microwave characterization of silicon BARITT diodes under large-signal conditions; *T-MTT* v27 n5 May 79 458-462 (1G12)
- Moore, Brad D., and John R. Cogdell; A millimeter-wave directional filter cavity; *T-MTT* v24 n11 Nov 76 843-847 (2F06)
- Moore, Craig R., and Robert C. Clauss; A reflected-wave ruby maser with K -band tuning range and large instantaneous bandwidth; *T-MTT* v27 n3 Mar 79 249-256 (1C07)
- Moore, Craig R.; A K -band ruby maser with 500-MHz bandwidth (Short p.); *T-MTT* v28 n2 Feb 80 149-151
- Moore, I. J. H. S., and J. A. C. Stewart; State-space analysis of a magnetically tuned IMPATT oscillator lumped model (Short p.); *T-MTT* v21 n6 Jun 73 422-425 (2B11)
- Moore, John F., see Michelson, Max; *T-MTT* v3 n2 Mar 55 170-174
- Moore, R. A., see Rebsch, D. L.; *T-MTT* v13 n4 Jul 65 468-469
- Moore, R. A., see Nelson, T.; *T-MTT* v18 n1 Jan 70 45-46
- Moore, R. A., and George J. Moussally; Electronically variable low-dispersion YIG delay line (Corresp.); *T-MTT* v19 n3 Mar 71 334-337 (2C08)
- Moore, Richard K.; The effects of reflections from randomly spaced discontinuities in transmission lines; *T-MTT* v5 n2 Apr 57 121-126
- Moore, Robert A., see Webb, Denis C.; *T-MTT* v15 n7 Jul 67 421-427
- Moore, Robert A., see Larsen, Lawrence E.; *T-MTT* v27 n7 Jul 79 673-679 (1D05)
- Moore, Robert Avery, see Payer, Stephen F.; *T-MTT* v18 n8 Aug 70 426-432
- Moore, Robert Avery, see Larsen, Lawrence E.; *T-MTT* v22 n4 Apr 74 438-444 (2B14)
- Moore, Robert Avery, Gus M. Kern, and Lawson French Cooper; High average power S -band digital phase shifter; *T-MTT* v22 n6 Jun 74 626-634 (1C12)
- Moore, Robert Avery, see Larsen, Lawrence E.; *T-MTT* v22 n10 Oct 74 884-887 (1C10)
- Moore, W. J., see Norton, P.; *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Morgan, D. P., and J. G. Sutherland; Generation of pseudonoise sequences using surface acoustic waves (Short p.); *T-MTT* v21 n4 Apr 73 306 (3D11)
- Morgan, D. V., see Dyer, G. R.; *T-MTT* v28 n4 Apr 80 429-430
- Morgan, David P., see Grant, Peter M.; *T-MTT* v21 n4 Apr 73 288-300 (3C05)
- Morgan, I. G., see Somlo, P. I.; *T-MTT* v20 n8 Aug 72 532-537 (1E06)
- Morgan, I. G., see Somlo, Peter I.; *T-MTT* v22 n9 Sep 74 830-835 (1A12)
- Morgan, S. P., see Kogelnik, H.; *T-MTT* v12 n6 Nov 64 624
- Morgan, Samuel P.; On the integral equations of laser theory; *T-MTT* v11 n3 May 63 191-193
- Morgenthaler, Frederic R.; Velocity modulation of electromagnetic waves; *T-MTT* v6 n2 Apr 58 167-172
- Morgenthaler, Frederic R.; Microwave radiation from ferrimagnetically coupled electrons in transient magnetic fields; *T-MTT* v7 n1 Jan 59 6-11
- Mori, Tetsuro, see Yamashita, Eikichi; *T-MTT* v25 n2 Feb 77 146-150 (1E10)
- Mori, Tetsuro, see Ishihara, Osamu; *T-MTT* v28 n8 Aug 80 817-824
- Morishita, Katsumi, and Nobuaki Kumagai; Unified approach to the derivation of variational expression for electromagnetic fields; *T-MTT* v25 n1 Jan 77 34-40 (1C08)
- Morishita, Katsumi, and Nobuaki Kumagai; Systematic derivation of variational expressions for electromagnetic and/or acoustic waves; *T-MTT* v26 n9 Sep 78 684-689 (1E02)
- Morishita, Katsumi, Sei-ichi Inagaki, and Nobuaki Kumagai; Analysis of discontinuities in dielectric waveguides by means of the least squares boundary residual method; *T-MTT* v27 n4 Apr 79 310-315 (1B06)
- Morishita, Katsumi, Yasuyuki Kondoh, and Nobuaki Kumagai; On the accuracy of scalar approximation technique in optical fiber analysis; *T-MTT* v28 n1 Jan 80 33-36
- Morita, Kiyoshi; Report of advances in microwave theory and techniques in Japan—1959; *T-MTT* v8 n4 Jul 60 395-397
- Morita, Kozo, see Yamamoto, Heiichi; *T-MTT* v23 n4 Apr 75 334-341 (1A12)
- Morita, Kozo, see Kurita, Osamu; *T-MTT* v24 n6 Jun 76 361-366 (1G03)
- Morita, Kozo, see Ogawa, Hiroyo; *T-MTT* v28 n3 Mar 80 180-185
- Morita, Nagayoshi, and Yoshio Nakanishi; Circumferential gap in a TE_{01} -mode-transmitting multimode circular waveguide; *T-MTT* v16 n3 Mar 68 183-189
- Morita, Nagayoshi, and Nobuaki Kumagai; Scattering and mode conversion of guided modes by a spherical object in an optical fiber; *T-MTT* v28 n2 Feb 80 137-141
- Morita, T., and L. S. Sheingold; A coaxial magic-T; *T-MTT* v1 n2 Nov 53 17-23
- Mörfer, G., see Hoffmann, M.; *T-MTT* v22 n1 Jan 74 77 (1F09)
- Morris, George E., and George A. Hall; RF burnout of Ku -band mixer diodes (Short p.); *T-MTT* v22 n7 Jul 74 745-746 (1C11)
- Morris, J. E.; A 3-dB directional coupler for microwave integrated circuits (Corresp.); *T-MTT* v16 n7 Jul 68 476-477
- Morris, James E., see Gewartowski, James W.; *T-MTT* v18 n3 Mar 70 157-161
- Morris, L. C., and D. J. Miller; A broad tunable bandwidth traveling-wave maser; *T-MTT* v12 n4 Jul 64 421-428
- Morris, Robert J., see Ammann, Eugene O.; *T-MTT* v11 n6 Nov 63 528-542
- Morrison, J. A.; Heat loss of circular electric waves in helix waveguides; *T-MTT* v6 n2 Apr 58 173-177
- Morrison, John A.; Average output power of an incident wave randomly coupled to a reflected wave; *T-MTT* v22 n2 Feb 74 126-130 (1D06)
- Morrow, W., see Rucker, C. T.; *T-MTT* v13 n1 Jan 65 123-124
- Mortenson, Kenneth E., see White, Joseph F.; *T-MTT* v16 n1 Jan 68 30-36
- Mortenson, Kenneth E., see Gutmann, R. J.; *T-MTT* v20 n3 Mar 72 215-223 (1C05)
- Mosko, Joseph A., see Shelton, J. Paul; *T-MTT* v14 n10 Oct 66 462-473
- Mosko, Joseph A.; Comments on 'Design equation for an interdigitated directional coupler' by Ou, W. P.; *T-MTT* v24 n9 Sep 76 628
- Moss, Gaylord E., see Goodwin, Frank E.; *T-MTT* v11 n1 Jan 63 36-39
- Moss, Gaylord E., see Goodwin, Frank E.; *T-MTT* v12 n3 May 64 349-358
- Motoya, Kaoru, see Nishizawa, Jun-ichi; *T-MTT* v26 n12 Dec 78 1029-1035 (2A13)
- Mott, Harold, see McDuff, Odis P.; *T-MTT* v12 n5 Sep 64 541-546
- Mott, Harold, and David N. McQuiddy; The harmonics produced by a PIN diode in a microwave switching application (Corresp.); *T-MTT* v15 n3 Mar 67 180-181
- Mott, Harold, see Chang, Feng-Cheng; *T-MTT* v20 n9 Sep 72 620-621 (2B07)
- Mount, Ellis, and Barbara A. Begg; Parametric devices and masers: An annotated bibliography; *T-MTT* v8 n2 Mar 60 222-243
- Mousavinezhad, Seyed Hossein, Kun-Mu Chen, and Dennis Paul Nyquist; Response of insulated electric field probes in finite heterogeneous biological bodies; *T-MTT* v26 n8 Aug 78 599-607 (1G01)
- Moussally, George J., see Moore, R. A.; *T-MTT* v19 n3 Mar 71 334-337 (2C08)
- Mouthaan, Koenraad; Characterization of nonlinear interactions in avalanche transit-time oscillators, frequency multipliers, and frequency dividers; *T-MTT* v18 n11 Nov 70 853-862
- Mouw, Robert B.; A broad-band hybrid junction and application to the star modulator; *T-MTT* v16 n11 Nov 68 911-918
- Moyer, Robert D.; Comments on 'Sandwich slot line'; *T-MTT* v19 n9 Sep 71 773-774 (1E12)
- Moyer, Robert D.; Useful alternate expression in 'Sandwich slot line' by Cohn, S. B.; *T-MTT* v22 n11 Nov 74 978
- Moynihan, Robert L., see Parad, Leonard I.; *T-MTT* v13 n1 Jan 65 91-95
- Mross, M. R., see Walsh, J. E.; *T-MTT* v25 n6 Jun 77 561-563 (2C06)
- Muc, A. M., I. R. Dagg, and G. E. Resor; Mode charts for cylindrical microwave resonators; *T-MTT* v18 n5 May 70 285-286
- Muc, A. M., see Dagg, I. R.; *T-MTT* v18 n9 Sep 70 669
- Muehe, C. E.; Quarter-wave compensation of resonant discontinuities (Corresp.); *T-MTT* v7 n2 Apr 59 296-297
- Comments, *T-MTT* v7 n4 Oct 59 478
- Muehe, C. E.; A high-power waveguide tuner (Corresp.); *T-MTT* v16 n10 Oct 68 882-883
- Muehe, Charles E., Jr.; High-power duplexers; *T-MTT* v9 n6 Nov 61 506-512
- Mueller, Ralph S., and Fred J. Rosenbaum; Propagation in ferrite-filled coaxial transmission lines; *T-MTT* v16 n10 Oct 68 835-842
- Mueller, Ralph S., and Fred J. Rosenbaum; Electromagnetic wave propagation along a ferrite loaded wire; *T-MTT* v17 n2 Feb 69 92-100
- Mueller, Ralph S., and Fred J. Rosenbaum; On the latching of ferrite microwave devices (Short p.); *T-MTT* v24 n8 Aug 76 522-525 (1C06)
- Muilwyk, C. A., and J. B. Davies; Cutoff characteristics of the channel waveguide (Corresp.); *T-MTT* v15 n3 Mar 67 199-200
- Muilwyk, Cornelis A., and J. B. Davies; The numerical solution of rectangular waveguide junctions and discontinuities of arbitrary cross section; *T-MTT* v15 n8 Aug 67 450-455
- Mukaihata, Tadao, Bernard L. Walsh Jr., Martin F. Bottjer, and Ernest B. Roberts; Subtle differences in system noise measurements and calibration of noise standards; *T-MTT* v10 n6 Nov 62 506-516
- Mukaihata, Tadao; Applications and analysis of noise generation in N -cascaded mismatched two-port networks; *T-MTT* v16 n9 Sep 68 699-708
- Mullen, James A., and Wilbur L. Pritchard; The statistical prediction of voltage standing-wave ratio; *T-MTT* v5 n2 Apr 57 127-130
- Muller, E. A., see Stettler, P.; *T-MTT* v22 n12 Dec 74 1119-1120 (2D02)
- Müller, K., P. Etique, and F. Kneubühl; The influence of the Coriolis coupling on submillimeter-wave-frequency correlation functions related to the rotation of molecules in liquids and gases (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Muller, Marcel W., see Helmer, J. C.; *T-MTT* v6 n2 Apr 58 210-214
- Müller, W., see Gornik, E.; *T-MTT* v22 n12 Dec 74 991-995 (1A13)
- Mumford, W. W.; Frequency curves; *T-MTT* v2 n2 Jul 54 1
- Mumford, W. W.; Tables of stub admittances for maximally flat filters using shorted quarter-wave stubs (Corresp.); *T-MTT* v13 n5 Sep 65 695-696
- Mumford, W. W., Guest ed.; Introduction to special issue; *T-MTT* v16 n9 Sep 68 576

- Mumford, William W., and R. L. Schafersman; Data on the temperature dependence of X-band fluorescent lamp noise sources; *T-MTT* v3 n6 Dec 55 12-17
- Mumford, William W.; Introductory remarks; *T-MTT* v19 n2 Feb 71 130 (1B06)
- Mumford, William W., Guest ed.; Introduction to special issue; *T-MTT* v16 n9 Sep 68 576
- Mumford, William Walden; Keep abreast of the microwave art; *T-MTT* v3 n3 Apr 55 2-3
- Munk, Benedikt A., see Luebbers, Raymond J.; *T-MTT* v21 n7 Jul 73 461-468 (1D03)
- Munro, J., and E. Feldman; K_A band klystron replacement (Corresp.); *T-MTT* v12 n5 Sep 64 553
- Munyak, Frank E., see Whicker, Lawrence R.; *T-MTT* v10 n1 Jan 62 20-25
- Mur, G.; A finite method for the solution of electromagnetic waveguide discontinuity problems (Short p.); *T-MTT* v22 n1 Jan 74 54-57 (1D14)
- Muraoka, K., see Costley, A. E.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Muroff, Lawrence R., see Samaras, George M.; *T-MTT* v19 n2 Feb 71 245-247 (3C02)
- Murphy, R. A., C. O. Bozler, C. D. Parker, H. R. Fetterman, P. E. Tannenwald, B. J. Clifton, J. P. Donnelly, and W. T. Lindley; Submillimeter heterodyne detection with planar GaAs Schottky-barrier diodes; *T-MTT* v25 n6 Jun 77 494-495 (1C14)
- Murphy, R. Jay, see Steenaart, Willem; *T-MTT* v17 n12 Dec 69 1115-1122
- Murray, J. H., see Knerr, Reinhard H.; *T-MTT* v22 n5 May 74 569-572 (2B14)
- Murray, Robert W., see Helszajn, Joseph; *T-MTT* v25 n3 Mar 77 190-196 (1B10)
- Murray-Lasso, Marco A., and Edward B. Kozemchak; Microwave circuit design by digital computer; *T-MTT* v17 n8 Aug 69 514-526
- Murray-Lasso, Marco A., see Green, Peter E.; *T-MTT* v17 n8 Aug 69 527-533
- Murzin, V. N., see Vavilov, V. S.; *T-MTT* v22 n12 Dec 74 1086-1089 (2A11)
- Mushiake, Y., see Adachi, S.; *T-MTT* v12 n5 Sep 64 569-570
- Mushiake, Yasuto, and Tetsuro Ishida; Characteristics of loaded rectangular waveguides; *T-MTT* v13 n4 Jul 65 451-457
- Musil, J., see Marha, K.; *San Francisco Press* (San Francisco, CA) 1971
- Mykietyn, Edward, see Denlinger, Edgar J.; *T-MTT* v23 n12 Dec 75 953-958 (1B01)
- N**
- Nabulsi, K. A., see Howard, A. Q., Jr.; *T-MTT* v27 n3 Mar 79 285 (1F01)
- Nadan, Joseph S., see Gerson, Thomas J.; *T-MTT* v22 n8 Aug 74 757-763. Correction, Feb 75 266 (1A03)
- Naditch, Gerald H., see Weiner, Donald D.; *T-MTT* v24 n7 Jul 76 422-433 (1C04)
- Nag, B. R., see Engineer, M. H.; *T-MTT* v13 n5 Sep 65 641-646
- Nag, B. R., see Datta, A. N.; *T-MTT* v18 n3 Mar 70 162-166
- Nag, Biswaranjan R., and Pankaj Das; Microwave propagation in semiconductors with carrier density varying in time; *T-MTT* v10 n6 Nov 62 564-567
- Nagai, Keinosuke, Yoshinao Aoki, and Michio Suzuki; On the numerical reconstruction of images from a microwave hologram; *T-MTT* v21 n1 Jan 73 13-18 (1C03)
- Nagai, Nobuo, and Akio Matsumoto; A restatement of mathematical considerations of TEM modes on an n -wire line; *T-MTT* v22 n4 Apr 74 353-359 (1A03)
- Nagai, Nobuo, Eiji Maekawa, and Koujiro Ono; New n -way hybrid power dividers; *T-MTT* v25 n12 Dec 77 1008-1012 (1D04)
- Nagai, Torao, see Okamura, Sohji; *T-MTT* v17 n12 Dec 69 1151-1152
- Nagano, S., and S. Ohnaka; A highly stabilized K_A -band Gunn oscillator (Corresp.); *T-MTT* v20 n2 Feb 72 174-176 (2D08)
- Nagano, S., and S. Ohnaka; Highly stabilized IMPATT oscillators at millimeter wavelengths (Short p.); *T-MTT* v21 n7 Jul 73 491-492 (2B10)
- Nagano, Shigemichi, and Hidetoshi Kondo; Highly stabilized half-watt IMPATT oscillator; *T-MTT* v18 n11 Nov 70 885-890
- Nagano, Shigemichi, and Yoshihiko Akaiwa; Behavior of a Gunn diode oscillator with a moving reflector as a self-excited mixer and a load variation detector; *T-MTT* v19 n12 Dec 71 906-910 (1C02)
- Nagano, Shigemichi, and Shuji Ohnaka; A low-noise 80-GHz silicon IMPATT oscillator highly stabilized with a transmission cavity; *T-MTT* v22 n12 Dec 74 1152-1159 (3C06)
- Nagao, Tsukasa; Double circulation frequency operation of stripline Y-junction circulators; *T-MTT* v25 n3 Mar 77 181-189 (1B01)
- Nagao, Tsukasa; Broad-band operation of stripline Y circulators; *T-MTT* v25 n12 Dec 77 1042-1047 (1F10)
- Nagao, Tsukasa, and Zengo Tanaka; Diplexer operation of stripline Y circulators: Part I—Basic performance of diplexer operation; *T-MTT* v28 n7 Jul 80 776-786
- Nagasako, Isamu, see Irie, Toshiaki; *T-MTT* v24 n6 Jun 76 321-328 (1D05)
- Nagaya, Kosuke, see Laura, Patricia A. A.; *T-MTT* v28 n6 Jun 80 568-572
- Nagelberg, E. R., see Agarwal, K. K.; *T-MTT* v18 n1 Jan 70 69-71
- Nagelberg, Elliott R., and Joshua Shefer; Dispersion characteristics of an array of parasitic linear elements; *T-MTT* v14 n8 Aug 66 391-396
- Nagelberg, Elliott R., and Judith N. Hoffspiegel; Computer-graphic analysis of dielectric waveguides (Corresp.); *T-MTT* v15 n3 Mar 67 187-189
- Nahas, Joseph J.; Modeling and computer simulation of a microwave-to-dc energy conversion element; *T-MTT* v23 n12 Dec 75 1030-1035 (1G08)
- Nahman, N. S., see Benguerel, A. P.; *T-MTT* v12 n4 Jul 64 468-469
- Naito, Y., see Araki, K.; *T-MTT* v23 n3 Mar 75 321 (1D13)
- Naito, Yoshiyuki, and Kunihiro Suetake; Application of ferrite to electromagnetic wave absorber and its characteristics; *T-MTT* v19 n1 Jan 71 65-72 (2B09)
- Naito, Yoshiyuki, and Nobuyoshi Tanaka; Broad-banding and changing operation frequency of circulator; *T-MTT* v19 n4 Apr 71 367-372 (1C11)
- Naito, Yoshiyuki, see Igarashi, Mitsuru; *T-MTT* v20 n12 Dec 72 828-833 (1E03)
- Naito, Yoshiyuki, see Kosugi, Y.; *T-MTT* v20 n12 Dec 72 852-855 (2B06)
- Naito, Yoshiyuki, see Igarashi, Mitsuru; *T-MTT* v22 n9 Sep 74 821-829 (1A03)
- Naito, Yoshiyuki, see Araki, Kiyomichi; *T-MTT* v24 n8 Aug 76 491-498 (1A03)
- Naito, Yoshiyuki, see Araki, Kiyomichi; *T-MTT* v26 n7 Jul 78 506-509 (1D10)
- Nakagama, Takakiyo, see Hirachi, Yasutake; *T-MTT* v24 n11 Nov 76 731-737 (1D09)
- Nakahara, Shojiro, and Hidetoshi Kurebayashi; A short-slot waveguide latching ferrite switch; *T-MTT* v18 n12 Dec 70 1048-1051
- Nakahara, Tsuneo, see Sugi, Masao; *T-MTT* v7 n3 Jul 59 366-369
- Nakahara, Tsuneo, and Noritaka Kurauchi; Guided beam waves between parallel concave reflectors; *T-MTT* v15 n2 Feb 67 66-71
- Nakaji, Edward M., see Chao, Chente; *T-MTT* v25 n12 Dec 77 985-991 (1B09)
- Nakajima, Nobuo, and Isao Ohtomo; 80-GHz-band low-loss ring-type channel diplexer using a semicircular electric mode; *T-MTT* v24 n11 Nov 76 831-836 (2E08)
- Nakamura, Makoto, Takaya Saito, and Minoru Kuramoto; Characteristics of high-power breakdown at 28 GHz; *T-MTT* v26 n5 May 78 354-356 (1C08)
- Nakamura, Tetsuo, see Isobe, Toyosaku; *T-MTT* v18 n11 Nov 70 993-995
- Nakanishi, Y., see Yamasaki, T.; *T-MTT* v16 n6 Jun 68 373-374
- Nakanishi, Yoshiro, see Morita, Nagayoshi; *T-MTT* v16 n3 Mar 68 183-189
- Nakanishi, Yoshiro, see Okamoto, Nobuo; *T-MTT* v19 n6 Jun 71 521-527 (1C09)
- Nakanishi, Yoshiro, see Okamoto, Nobuo; *T-MTT* v19 n6 Jun 71 521-527. Correction, Nov 72 782-783 (1C09)
- Nakatani, M., see Suzuki, T.; *T-MTT* v27 n12 Dec 79 1070-1074 (2D07)
- Nakatani, Masaaki, see Mitsui, Yasuo; *T-MTT* v25 n12 Dec 77 981-984 (1B05)
- Nakatani, Masaaki, Yoshinobu Kadowaki, and Takashi Ishii; A 12-GHz 1-W GaAs MESFET amplifier; *T-MTT* v27 n12 Dec 79 1066-1070 (2D03)
- Nakatani, Masaaki, see Ishihara, Osamu; *T-MTT* v28 n8 Aug 80 817-824
- Nakayama, Yoshiro, see Fukuta, Masumi; *T-MTT* v24 n6 Jun 76 312-317 (1C10)
- Nalbandian, Vahakn, and Willem Steenaart; Discontinuities in symmetric striplines due to impedance steps and their compensations; *T-MTT* v20 n9 Sep 72 573-578 (1B11)
- Nalbandoglu, Ali H.; Modeling rectangular waveguide junctions by the eigenfunction method; *T-MTT* v25 n8 Aug 77 688-694 (1E04)
- Naldi, C., see Bava, G. P.; *T-MTT* v18 n3 Mar 70 167-168
- Naldi, Carlo, see Filicori, Fabio; *T-MTT* v27 n12 Dec 79 1043-1051 (2B08)
- Nalos, E. J., see Ginzton, E. L.; *T-MTT* v3 n5 Oct 55 4-7
- Namordi, Moosli R., see Sokolov, Vladimir; *T-MTT* v27 n12 Dec 79 1058-1065 (2C09)
- Nanbu, Shutaro; A stabilized MIC oscillator using a germanium avalanche diode (Short p.); *T-MTT* v24 n3 Mar 76 151-153 (1B11)
- Nanbu, Shutaro; An MIC Doppler module with output radiation normal to the substrate plane; *T-MTT* v26 n1 Jan 78 3-5 (1A05)
- Nanbu, Shutaro; A new MIC Doppler module; *T-MTT* v26 n3 Mar 78 192-196 (1E02)
- Nanda, Ved P.; A new form of ferrite device for millimeter-wave integrated circuits (Corresp.); *T-MTT* v24 n11 Nov 76 876-879 (3B10)
- Napier, Peter J., see Weinreb, Sander; *T-MTT* v25 n4 Apr 77 243-248 (1A05)
- Napoli, Louis S., and John J. Hughes; Foreshortening of microstrip open circuits on alumina substrates (Corresp.); *T-MTT* v19 n6 Jun 71 559-561 (2C01)
- Napoli, Louis S., and John J. Hughes; A simple technique for the accurate determination of the microwave dielectric constant for microwave integrated circuit substrates (Corresp.); *T-MTT* v19 n7 Jul 71 664-665 (2E07)
- Napoli, Louis S., see Dean, Raymond H.; *T-MTT* v21 n12 Dec 73 805-809 (2C03)
- Nara, A., see Suzuki, T.; *T-MTT* v27 n12 Dec 79 1070-1074 (2D07)
- Narasimhan, M. S., and K. S. Balasubramanya; Transmission characteristics of spherical TE and TM modes in conical waveguides (Short p.); *T-MTT* v22 n11 Nov 74 965-970 (1D13)
- Narasimhan, M. S., and V. Venkateswara Rao; Comments on 'Rectangular waveguides with impedance walls' by Dybdal, R. B., et al.; *T-MTT* v22 n11 Nov 74 973
- Narayan, S. Yegna, and Fred Sterzer; Transferred electron amplifiers and oscillators; *T-MTT* v18 n11 Nov 70 773-783
- Narayanan, K. G., and G. P. Sharma; Isolation rating of ferrite components at high pulse powers (Corresp.); *T-MTT* v18 n6 Jun 70 322-323
- Natale, V., see Corsi, S.; *T-MTT* v22 n12 Dec 74 1036-1041 (1E02)
- Natale, V., see Dall'Oglio, G.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Nathan, Amos, and Dan Censor; Extended del relations with reference to EM waves in moving simple media (Corresp.); *T-MTT* v16 n10 Oct 68 883-884
- Nation, J. A., see Providakes, G.; *T-MTT* v25 n6 Jun 77 563-566 (2C08)
- National Bureau of Standards, Radio Standards Laboratory; Microwave and high-frequency calibration services of the National Bureau of Standards—Part I (Corresp.); *T-MTT* v12 n4 Jul 64 480-482
- National Bureau of Standards, Radio Standards Laboratory; Microwave and high-frequency calibration services of the National Bureau of Standards—Part II; *T-MTT* v12 n5 Sep 64 572-576
- National Bureau of Standards, Radio Standards Laboratory; Microwave and high-frequency calibration services of the National Bureau of Standards—Part III (Corresp.); *T-MTT* v12 n6 Nov 64 623-624
- National Bureau of Standards, Radio Standards Laboratory; Microwave and high-frequency calibration services of the National Bureau of Standards—Part IV (Corresp.); *T-MTT* v13 n1 Jan 65 138-139
- National Bureau of Standards, Radio Standards Laboratory; Recent changes in high-frequency and microwave calibration services (Corresp.); *T-MTT* v13 n5 Sep 65 715-716
- National Bureau of Standards, Radio Standards Laboratory; Calibration of coaxial bolometer units (Corresp.); *T-MTT* v13 n6 Nov 65 884
- National Bureau of Standards, Radio Standards Laboratory; Peak-pulse power calibrations initiated (Corresp.); *T-MTT* v14 n1 Jan 66 47-48
- National Bureau of Standards, Radio Standards Laboratory; Three microwave calibration services extended: Noise sources, attenuation, reflection coefficient (Corresp.); *T-MTT* v14 n2 Feb 66 93
- National Bureau of Standards, Radio Standards Laboratory; Calibration of coaxial bolometer mounts (Corresp.); *T-MTT* v14 n3 Mar 66 161
- National Bureau of Standards, Radio Standards Laboratory; Measurement of microwave power in WR137 waveguide (5.85–8.20 GHz); *T-MTT* v14 n4 Apr 66 213
- National Bureau of Standards, Radio Standards Laboratory; Measurement of microwave power in WR112 waveguide (7.05 to 10.0 GHz) (Corresp.); *T-MTT* v14 n5 May 66 254
- Naumann, Sally J., see Sethares, James C.; *T-MTT* v14 n1 Jan 66 2-7
- Naumenko, M., see Eremenko, V. V.; *T-MTT* v22 n12 Dec 74 1069-1072 (1G07)
- Navarro, Manuel S., Tullio E. Rozzi, and Yuen Tze Lo; Propagation in a rectangular waveguide periodically loaded with resonant irises; *T-MTT* v28 n8 Aug 80 857-865
- Nayfeh, Ali Hasan, see Asfar, Omar Rafik; *T-MTT* v23 n9 Sep 75 728-734 (1A10)
- Nayfeh, Ali Hasan, see Asfar, Omar Rafik; *T-MTT* v28 n11 Nov 80 1187-1191
- Neale, Brian M., and A. Gopinath; Microstrip discontinuity inductances; *T-MTT* v26 n10 Oct 78 827-831 (2C05)
- Neau, Oakley T.; A practical method of locating waveguide discontinuities (Corresp.); *T-MTT* v3 n1 Jan 55 45-46
- Nedunuri, Ramamurthy; Synthesis of even-order equally terminated transmission-line bandstop filters; *T-MTT* v27 n8 Aug 79 742-744 (1B14)

- Neelakantaswamy, Perambur S., Krishna K. Gupta, and D. K. Banerjee: A Gaussian-beam launcher for microwave exposure studies (Short p.); *T-MTT* v25 n5 May 77 426-428 (1G02)
- Neelakantaswamy, Perambur S., Krishna Kumar Gupta, and Dilip Kumar Banerjee: A compact light-weight Gaussian-beam launcher for microwave exposure studies; *T-MTT* v26 n9 Sep 78 665-666 (1C11)
- Neelakantaswamy, Perambur S., and Foong Chee Hong: Dielectric hemisphere-loaded scalar horn as a Gaussian-beam launcher for microwave exposure studies; *T-MTT* v27 n9 Sep 79 797-799 (1C03)
- Neidert, R. E., and George T. O'Reilly: Very large impedance steps in microstrip (Short p.); *T-MTT* v22 n8 Aug 74 808-810 (1D12)
- Neidert, R. E., see O'Reilly, George T.; *T-MTT* v22 n12 Dec 74 1323-1325 (5D01)
- Neidert, Robert E., and Harry A. Willing: Wide-band gallium arsenide power MESFET amplifiers; *T-MTT* v24 n6 Jun 76 342-350 (1E12)
- Neidlinger, Robert W.: Microwave cataract (Corresp.); *T-MTT* v19 n2 Feb 71 250-251 (3C07)
- Neirynck, J., see Fraiture, L.; *T-MTT* v15 n8 Aug 67 482-483
- Nelson, Conrad E.: Circularly polarized microwave cavity filters; *T-MTT* v5 n2 Apr 57 136-147
- Nelson, Conrad E., see Whirry, Walter L.; *T-MTT* v6 n1 Jan 58 59-65
- Nelson, Stuart O., C. W. Schlaphoff, and LaVerne E. Stetson: Computation of dielectric properties from short-circuited waveguide measurements on high- or low-loss materials (Computer program descr.); *T-MTT* v22 n3 Mar 74 342-343 (3B12)
- Nelson, Stuart O., and LaVerne E. Stetson: Possibilities for controlling insects with microwave lower frequency RF energy (Short p.); *T-MTT* v22 n12 Dec 74 1303-1305 (3B09)
- Nelson, T., R. A. Moore, E. Wantuch, D. Buck, R. Huber, and R. Lee: Small analog stripline X-band ferrite phase shifter (Corresp.); *T-MTT* v18 n1 Jan 70 45-46
- Nemoto, S., see Yip, Gar Lam; *T-MTT* v23 n2 Feb 75 260-263 (1F08)
- Nemoto, S., see Le-Ngoc, S.; *T-MTT* v25 n3 Mar 77 197-209 (1C03)
- Nemoto, Shojiro, see Hashimoto, Masahiro; *T-MTT* v25 n1 Jan 77 11-17 (1A13)
- Nemoto, T., R. W. Beatty, and G. H. Fentress: A two-channel off-null technique for measuring small changes of attenuation (Corresp.); *T-MTT* v17 n7 Jul 69 396-397
- Nemoto, Toshio, see Wait, David F.; *T-MTT* v16 n9 Sep 68 670-675
- Nemoto, Toshio, and David F. Wait: Microwave circuit analysis using the equivalent generator concept; *T-MTT* v16 n10 Oct 68 866-873
- Nemoto, Toshio, see Inoue, Takemi; *T-MTT* v25 n8 Aug 77 694-697 (1E10)
- Ness, J. B., and M. W. Gunn: Microwave propagation in rectangular waveguide containing a semiconductor subject to a transverse magnetic field (Short p.); *T-MTT* v23 n9 Sep 75 767-772 (1D07)
- Ness, J. B., and M. W. Gunn: Hall field and magnetoresistance effects in rectangular waveguide completely filled with semiconductor (Short p.); *T-MTT* v24 n7 Jul 76 473-476 (2B04)
- Ness, John B., and M. W. Gunn: Air-gap effect in rectangular waveguide containing a lossy H-plane dielectric slab; *T-MTT* v26 n11 Nov 78 894-897 (1D10)
- Nethercot, A. H., Jr.: Harmonics at millimeter wavelengths; *T-MTT* v2 n3 Sep 54 17-20
- Neumann, Ernst-Georg, and Hans-Dieter Rudolph: Radiation from bends in dielectric rod transmission lines; *T-MTT* v23 n1 Jan 75 142-149 (2D09)
- Neumann, G. J., see Wilson, L. K.; *T-MTT* v9 n6 Nov 61 578
- Neumann, G. J., see Whicker, L. R.; *T-MTT* v11 n5 Sep 63 450-451
- Neumann, George J., see Whicker, Lawrence R.; *T-MTT* v10 n1 Jan 62 20-25
- Nevarez, Joseph R., and Gerald J. Herskowitz: Output power and loss analysis of 2ⁿ injection-locked oscillators combined through an ideal and symmetric hybrid combiner; *T-MTT* v17 n1 Jan 69 2-10
- Newman, Burton A., see Degenford, James E.; *T-MTT* v23 n4 Apr 75 375-376 (1D11)
- Newman, Burton A., see Cohn, Marvin; *T-MTT* v23 n8 Aug 75 667-673 (1E09)
- Newman, Leon A., see Plant, Thomas K.; *T-MTT* v22 n12 Dec 74 988-990 (1A10)
- Newton, Barrie Hulme, see Aitchison, Colin S.; *T-MTT* v19 n12 Dec 71 928-937 (1D12)
- Newton, Cleland O., see Marshall, F. Graham; *T-MTT* v21 n4 Apr 73 206-215 (1E06)
- Newton, Cleland O., see Marshall, F. Graham; *T-MTT* v21 n4 Apr 73 216-225 (2B01)
- Ng, Fook Loy, and R. H. T. Bates: Null-field method for waveguides of arbitrary cross section; *T-MTT* v20 n10 Oct 72 658-662 (1D02)
- Ng, Fook Loy: Tabulation of methods for the numerical solution of the hollow waveguide problem (Short p.); *T-MTT* v22 n3 Mar 74 322-329 (3A06)
- Nguyen, V.-T., and T. J. Bridges: Continuously tunable submillimeter source by difference frequency mixing in InSb of spin-flip Raman lasers (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1117 (2C14)
- Nguyen-ba, Hien, see East, Jack R.; *T-MTT* v24 n12 Dec 76 943-948 (1D03)
- Nicholson, B. F.: The resonant frequency of interdigital filter elements (Corresp.); *T-MTT* v14 n5 May 66 250-251
- Niclas, Karl B., Walter T. Wilser, Richard B. Gold, and William R. Hitchens: Application of the two-way balanced amplifier concept to wide-band power amplification using GaAs MESFETs; *T-MTT* v28 n3 Mar 80 172-179
- Niclas, Karl B., Walter T. Wilser, Richard B. Gold, and William R. Hitchens: The matched feedback amplifier: Ultrawide-band microwave amplification with GaAs MESFETs; *T-MTT* v28 n4 Apr 80 285-294
- Nicolson, A. Murray, C. Leonard Bennett Jr., David Lamensdorf, and Leon Susman: Applications of time-domain metrology to the automation of broad-band microwave measurements; *T-MTT* v20 n1 Jan 72 3-9. *Correction*, Oct 72 707 (1B05). *Addendum*, *T-MTT* v20 n10 Oct 72 707 (2C07)
- Nicolson, G. D.: Gain-stabilized maser radiometer for 13 cm (Corresp.); *T-MTT* v18 n3 Mar 70 169
- Niehenke, E. C.: An environmentalized low-noise parametric amplifier; *T-MTT* v25 n12 Dec 77 992-994 (1C02)
- Niehenke, Edward C., and Ricky D. Hess: A microstrip low-noise X-band voltage-controlled oscillator; *T-MTT* v27 n12 Dec 79 1075-1079 (2D12)
- Nielsen, Eric Drago: Scattering by a cylindrical post of complex permittivity in a waveguide; *T-MTT* v17 n3 Mar 69 148-153
- Nielsen, Ole, see Madsen, Kaj; *T-MTT* v23 n10 Oct 75 803-809. *Correction*, Apr 76 233 (1B11)
- Niesen, E., see Little, W. E.; *T-MTT* v12 n5 Sep 64 570-571
- Niggebrügge, U., see Tsironis, C.; *T-MTT* v27 n12 Dec 79 1052-1058 (2C03)
- Nigrin, J., N. A. Mansour, and W. A. G. Voss: Single hybrid tee frequency discriminator (Ltr.); *T-MTT* v23 n9 Sep 75 776-778
- Nigrin, Jan, see Fikart, Josef L.; *T-MTT* v20 n10 Oct 72 702-703 (2C02)
- Nihel, Fumihiro, see Hatano, Satomi; *T-MTT* v24 n11 Nov 76 886-887 (3C06)
- Nilsson, B. Olle, and Lars E. Pettersson: A mechanism for high-frequency electromagnetical field-induced biological damage?; *T-MTT* v27 n6 Jun 79 616-618 (1E06)
- Nisbet, W. Terence, see Helszajn, Joseph; *T-MTT* v27 n2 Feb 79 188-193 (2A01)
- Nisbet, W. Terence, see Helszajn, J.; *T-MTT* v28 n6 Jun 80 616-621
- Nishida, Shigeo, see Kawakami, Shojiro; *T-MTT* v19 n4 Apr 71 403-406 (2B11)
- Nishida, Shigeo, see Mikoshiba, Koichi; *T-MTT* v17 n2 Feb 69 66-73
- Nishida, Shigeo, see Miyagi, Mitsunobu; *T-MTT* v28 n4 Apr 80 398-401
- Nishida, Shigeo, see Miyagi, Mitsunobu; *T-MTT* v28 n6 Jun 80 536-541
- Nishimura, Mamppei, see Shigesawa, Hiroshi; *T-MTT* v24 n8 Aug 76 529-531 (1C13)
- Nishimura, Sadahiko, and Toshio Makimoto: Improvement of frequency characteristics of preselector using hybrid circuit (Corresp.); *T-MTT* v16 n10 Oct 68 891-893
- Nishioka, Ikuo, see Okamoto, Nobuo; *T-MTT* v19 n6 Jun 71 521-527. *Correction*, Nov 72 782-783 (1C09)
- Nishitani, Kazuo, Hiroshi Sawano, Takashi Ishii, Shigeru Mitsui, Eiji Kaji, and Akira Amano: High power GaAs IMPATT amplifier; *T-MTT* v25 n12 Dec 77 973-977 (1A11)
- Nishizawa, Jun-ichi, see Kawakami, Shojiro; *T-MTT* v16 n10 Oct 68 814-818
- Nishizawa, Jun-ichi, Kaoru Motoya, and Yasuo Okuno: GaAs TUNNETT diodes; *T-MTT* v26 n12 Dec 78 1029-1035 (2A13)
- Noel, P. L., see Emery, F. E.; *T-MTT* v16 n7 Jul 68 483-484
- Nogi, Shigeji, see Fukui, Kiyoshi; *T-MTT* v28 n10 Oct 80 1059-1067
- Noguchi, Tsutomu: New edge-guided mode isolator using ferromagnetic resonance absorption; *T-MTT* v25 n2 Feb 77 100-106 (1B06)
- Nojima, M., see Takahashi, S.; *T-MTT* v18 n12 Dec 70 1176-1178
- Nonnmaker, C. H., see Oltman, H. George, Jr.; *T-MTT* v17 n9 Sep 69 728-729
- Nordgard, John D.: The capacitances and surface-charge distributions of a shielded balanced pair; *T-MTT* v24 n2 Feb 76 94-100 (1B14)
- Nordgard, John D.: The capacitances and surface charge distributions of a shielded unbalanced pair (Short p.); *T-MTT* v25 n2 Feb 77 137-140 (1E01)
- Nordgard, John D., see Smith, Glenn S.; *T-MTT* v28 n8 Aug 80 887-893
- Norman, Scott L., see Proud, Joseph M.; *T-MTT* v26 n3 Mar 78 137-140 (1A03)
- Norton, L. E., R. E. Enstrom, and I. J. Hegyi: High-power 1-GHz coplanar Gunn-effect oscillators (Corresp.); *T-MTT* v16 n7 Jul 68 480-481
- Norton, Lowell E.: Coherent spontaneous microwave emission by pulsed resonance excitation; *T-MTT* v5 n4 Oct 57 262-265
- Norton, P. W. J. Moore, and F. DeRosa: Photoconductive far infrared detection in silicon (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Novak, S., see Lazarus, Max; *T-MTT* v23 n8 Aug 75 700-703 (2A04)
- Novick, Gabriel, see Jacobs, Harold; *T-MTT* v24 n11 Nov 76 815-820 (2D06)
- Ntake, Pasteur L., and D. R. Conn: Frequency multiplication by a p-i-n diode when driven into avalanche breakdown; *T-MTT* v23 n6 Jun 75 477-485 (1B05)
- Nudd, Graham R., Michael Waldner, and R. L. Zimmerman: Design of unapodized surface-wave transducers with spectral weighting; *T-MTT* v22 n1 Jan 74 25-32 (1B13)
- Nudd, Graham R., and Oberdan W. Otto: Real-time Fourier analysis of spread spectrum signals using surface-wave-implemented chirp-Z transformation (Short p.); *T-MTT* v24 n1 Jan 76 54-56 (1D14)
- Nunn, W. M., Jr.: Wave propagation in coaxial-cylindrical slow-wave systems (Corresp.); *T-MTT* v9 n4 Jul 61 358-359
- Nunn, Walter M., Jr., and Lynn E. Paul: A broad-band glass-to-metal coaxial vacuum seal; *T-MTT* v9 n3 May 61 248-251
- Nunotani, Tsuruo, see Ohtomo, Isao; *T-MTT* v21 n7 Jul 73 492-494 (2B11)
- Nuzillat, Gérard, see Gloanec, Maurice; *T-MTT* v28 n5 May 80 472-478
- Nygren, Thorsten, and Anders Sjölund: Sensitivity of Doppler radar with self-detecting diode oscillators; *T-MTT* v22 n5 May 74 494-498 (1B02)
- Nyquist, Dennis Paul, see Mousavinezhad, Seyed Hossein; *T-MTT* v26 n8 Aug 78 599-607 (1G01)
- Nyquist, Dennis Paul, see Karimullah, Khalid; *T-MTT* v28 n11 Nov 80 1218-1225
- Nyström, G. Lennart: Analysis and synthesis of broad-band symmetric power dividing trees; *T-MTT* v28 n11 Nov 80 1182-1187
- Nyström, Lennart: A new microwave variable power divider (Tech. n.); *T-MTT* v27 n1 Jan 79 89-90 (1G07)
- Oakes, James G., Robert A. Wickstrom, Douglas A. Tremere, and Terrence M. S. Heng: A power silicon microwave MOS transistor; *T-MTT* v24 n6 Jun 76 305-311 (1C03)
- Obah, Chuka O. G., Emil Benko, Harold C. Bowers, Thomas A. Midford, and Robert D. Regier: High-power pulsed UHF and L band p⁺-n-n⁺ silicon TRAPATT diode oscillators; *T-MTT* v23 n12 Dec 75 959-970. *Correction*, Mar 76 163 (1B07)
- O'Brien, Kevin C.: Microwave properties of slabs of uniformly magnetized material filling the cross section of a rectangular waveguide operating in TE_{NO} modes; *T-MTT* v18 n7 Jul 70 377-382
- O'Brien, Kevin C.: Microwave properties of a rectangular waveguide semi-infinitely filled with magnetic material (Corresp.); *T-MTT* v18 n7 Jul 70 400-402
- O'Brien, R. M., see Lomer, P. D.; *T-MTT* v6 n3 Jul 58 264-267
- O'Clock, George D., Jr.: Tunable frequency range and mismatch adjustment for comb-line bandpass filters (Short p.); *T-MTT* v20 n3 Mar 72 238-239 (1E04)
- Oczkowski, G.: ZERO; *T-MTT* v17 n8 Aug 69 650
- Oda, Yuji, see Uchizaki, Ichiro; *T-MTT* v27 n12 Dec 79 1038-1042 (2B03)
- Ogawa, Hiroyo, Masayoshi Aikawa, and Kozo Morita: K-band integrated double-balanced mixer; *T-MTT* v28 n3 Mar 80 180-185
- Ogawa, Hiroyo, see Aikawa, Masayoshi; *T-MTT* v28 n6 Jun 80 523-528
- Ogawa, Masaki, Keichi Ohata, Takashi Furutsuka, and Nobuo Kawamura: Submicron single-gate and dual-gate GaAs MESFETs with improved low noise and high gain performance; *T-MTT* v24 n6 Jun 76 300-305 (1B12)
- Oguchi, Bunichi: Circular electric mode directional coupler; *T-MTT* v8 n6 Nov 60 660-666
- Oguey, Henri J.: Analysis of the frequency and power performances of tunnel diode generators; *T-MTT* v11 n5 Sep 63 412-419
- Ogusu, Kazuhiko: Numerical analysis of the rectangular dielectric waveguide and its modifications; *T-MTT* v25 n11 Nov 77 874-885 (1A10)
- Ogusu, Kazuhiko: Measurements of dispersion characteristics and field distributions in rectangular-dielectric waveguide and its modifications; *T-MTT* v26 n3 Mar 78 169-171 (1C07)

- Oh, Luis L., and C. D. Lunden; VHF slow-wave slotted line (Corresp.); *T-MTT* v10 n2 Mar 62 142
- O'Hagan, M., see Emery, F. E.; *T-MTT* v14 n12 Dec 66 696-698
- O'Hara, Francis J., and Howard Scharfman; A ferrite serrodyne for microwave frequency translation; *T-MTT* v7 n1 Jan 59 32-37
- Ohata, Keiichi, see Ogawa, Masaki; *T-MTT* v24 n6 Jun 76 300-305 (1B12)
- Ohi, Kunio, see Shimada, Sadakuni; *T-MTT* v18 n1 Jan 70 61-62
- Ohkawa, Sumio, see Yamamoto, Hiroshi; *T-MTT* v19 n10 Oct 71 827-829 (1E01)
- Ohm, E. A.; A low-loss branching filter for broad widely spaced bandwidths (Short p.); *T-MTT* v22 n10 Oct 74 891-894 (1D03)
- Ohm, Edward A.; A broad-band microwave circulator; *T-MTT* v4 n4 Oct 56 210-217 Comments, *T-MTT* v5 n2 Apr 57 164
- Ohmori, M., see Ishibashi, T.; *T-MTT* v24 n11 Nov 76 858-859 (3A06)
- Ohmori, Masamichi, see Takada, Tohru; *T-MTT* v27 n5 May 79 519-523 (2E04)
- Ohmori, Masamichi, see Ino, Masayuki; *T-MTT* v28 n5 May 80 456-459
- Ohmori, Masamichi, see Mizutani, Takashi; *T-MTT* v28 n5 May 80 479-483
- Ohmori, Masamichi, see Suzuki, Hiroshi; *T-MTT* v28 n6 Jun 80 632-638
- Ohmori, Masamichi, see Takada, Tohru; *T-MTT* v28 n9 Sep 80 966-973
- Ohnaka, S., see Nagano, S.; *T-MTT* v20 n2 Feb 72 174-176 (2D08)
- Ohnaka, S., see Nagano, S.; *T-MTT* v21 n7 Jul 73 491-492 (2B10)
- Ohnaka, Shuji, see Nagano, Shigemichi; *T-MTT* v22 n12 Dec 74 1152-1159 (3C06)
- Ohnishi, Kazuhito, see Akaiki, Masami; *T-MTT* v25 n12 Dec 77 1059-1064 (2A05)
- Ohshita, Masahide, see Tanaka, Ikuo; *T-MTT* v24 n10 Oct 76 660-662 (1C04)
- Ohshika, T., see Mizushima, S.; *T-MTT* v24 n5 May 76 257-259 (1B09)
- Ohtomo, Isao, Kunikatsu Yamada, and Tsuruo Nunotani; Channel multiplexing network for a 20-GHz radio-relay transmission system (Short p.); *T-MTT* v21 n7 Jul 73 492-494 (2B11)
- Ohtomo, Isao, see Nakajima, Nobuo; *T-MTT* v24 n11 Nov 76 831-836 (2E08)
- Ohtomo, Isao, see Shindo, Shuichi; *T-MTT* v24 n12 Dec 76 953-958 (1D13)
- Ohtomo, Isao, see Kumazawa, Hiroyuki; *T-MTT* v25 n8 Aug 77 683-687 (1D13)
- Ohtomo, Motoharu; Experimental evaluation of noise parameters in Gunn and avalanche oscillators; *T-MTT* v20 n7 Jul 72 425-437 (1B03)
- Ohtomo, Motoharu; Broad-band small-signal impedance characterization of silicon (Si) p+-n-n IMPATT diodes; *T-MTT* v22 n7 Jul 74 709-718 (1A03)
- Ohwi, Koichi, see Okada, Fumiaki; *T-MTT* v26 n5 May 78 364-369 (1D04)
- Ohwi, Koichi, see Okada, Fumiaki; *T-MTT* v26 n12 Dec 78 1035-1039 (2B05)
- Okada, Fumiaki, and Koichi Ohwi; Design of a high-power CW Y-junction waveguide circulator; *T-MTT* v26 n5 May 78 364-369 (1D04)
- Okada, Fumiaki, Koichi Ohwi, and Yukio Yokochi; YIG resonator circuit with isolator property and its application to a Gunn diode oscillator; *T-MTT* v26 n12 Dec 78 1035-1039 (2B05)
- Okajima, Toru, Masahiko Kudo, Kiyoshi Shirahata, and Daiji Taketomi; 18-GHz paramps with triple-tuned gain characteristics for both room- and liquid-helium-temperature operation; *T-MTT* v20 n12 Dec 72 812-819 (1C11)
- Okamoto, Hiroshi, Mutsuo Ikeda, Shinji Kodaira, and Keisuke Miyazawa; Highly stable, low noise millimeter-wave IMPATT oscillator (Tech. n.); *T-MTT* v26 n2 Feb 78 136 (1G06)
- Okamoto, Hiroshi, and Mutsuo Ikeda; Cavity stabilization and electronic tuning of a millimeter-wave IMPATT diode oscillator by parametric interaction; *T-MTT* v26 n6 Jun 78 420-424 (1C14)
- Okamoto, Hiroshi, Mutsuo Ikeda, Shinji Kodaira, and Keisuke Miyazawa; Highly stable, low noise millimeter-wave IMPATT oscillator (Tech. n.); *T-MTT* v26 n8 Aug 78 627-628 (2B01)
- Okamoto, Katsunari, see Okoshi, Takanori; *T-MTT* v22 n11 Nov 74 938-945 (1B14)
- Okamoto, Katsunari, and Takanori Okoshi; Analysis of wave propagation in optical fibers having core with α -power refractive-index distribution and uniform cladding; *T-MTT* v24 n7 Jul 76 416-421 (1B12)
- Okamoto, Katsunari, and Takanori Okoshi; Computer-aided synthesis of the optimum refractive-index profile for a multimode fiber; *T-MTT* v25 n3 Mar 77 213-221 (1D05)
- Okamoto, Katsunari, and Takanori Okoshi; Vectorial wave analysis of inhomogeneous optical fibers using finite element method; *T-MTT* v26 n2 Feb 78 109-114 (1E07)
- Okamoto, Naomichi; Computer-aided design of H-plane waveguide junctions with full-height ferrites of arbitrary shape; *T-MTT* v27 n4 Apr 79 315-321 (1B11)
- Okamoto, Nobuo, Ikuo Nishioka, and Yoshiro Nakanishi; Scattering by a ferrimagnetic circular cylinder in a rectangular waveguide; *T-MTT* v19 n6 Jun 71 521-527. Correction, Nov 72 782-783 (1C09)
- Comments by Bhartia, P., Nov 74 975
- Okamura, Sogo, see Cullen, Alexander L.; *T-MTT* v6 n2 Apr 58 133-136
- Okamura, Sohji, and Torao Nagai; VHF- and UHF-band stacked-junction circulators (Corresp.); *T-MTT* v17 n12 Dec 69 1151-1152
- Okaya, Akira; A five-port matched pseudo-magic tee; *T-MTT* v9 n3 May 61 216-219
- Okazaki, Kaoru, Nion Sock Chang, and Yukito Matsuo; A frequency-independent large-signal equivalent circuit for a BARITT diode and its application to an amplifier (Short p.); *T-MTT* v24 n8 Aug 76 527-529 (1C11)
- Okean, H. C.; Synthesis of negative resistance reflection amplifiers employing band-limited circulators; *T-MTT* v14 n7 Jul 66 323-337
- Okean, H. C.; Properties of a TEM transmission line used in microwave integrated circuit applications (Corresp.); *T-MTT* v15 n5 May 67 327-328
- Okean, H. C., and H. Weingart; S-band integrated parametric amplifier having both flat-gain and linear phase response (Corresp.); *T-MTT* v16 n12 Dec 68 1057-1059
- Okean, Herman C.; Microwave amplifiers employing integrated tunnel-diode devices; *T-MTT* v15 n11 Nov 67 613-622
- Okean, Herman C., C. M. Allen, Eugene W. Sard, and Howard M. Weingart; Integrated parametric amplifier module with self-contained solid-state pump source (Corresp.); *T-MTT* v19 n5 May 71 491-493 (2C05)
- Okean, Herman C., see Meier, Paul J.; *T-MTT* v19 n7 Jul 71 600-609 (1D10)
- Okean, Herman C., Eugene W. Sard, and Robert H. Pfleger; Microwave integrated oscillators for broad-band high-performance receivers; *T-MTT* v20 n2 Feb 72 155-164 (2C01)
- Okean, Herman C., and Paul J. Meier; Microwave integrated tunnel-diode amplifiers for broad-band high-performance receivers; *T-MTT* v20 n2 Feb 72 165-172 (2C11)
- Okean, Herman C., see Kelly, Alexander J.; *T-MTT* v24 n11 Nov 76 867-869 (3B01)
- Okean, Herman C., and Alexander J. Kelly; Low-noise receiver design trends using state-of-the-art building blocks; *T-MTT* v25 n4 Apr 77 254-267 (1B02)
- Okoshi, T.; Abstracts of microwave papers published in Japanese journals; *T-MTT* v22 n8 Aug 74 819-820 (1E09)
- Okoshi, T., Y. Uehara, and T. Takeuchi; The segmentation method—An approach to the analysis of microwave planar circuits (Short p.); *T-MTT* v24 n10 Oct 76 662-668 (1C06)
- Okoshi, Takanori, see Hashiguchi, Sumihisa; *T-MTT* v19 n8 Aug 71 686-691 (1C04)
- Okoshi, Takanori, and Tanroku Miyoshi; The planar circuit—An approach to microwave integrated circuitry; *T-MTT* v20 n4 Apr 72 245-252 (1B03)
- Okoshi, Takanori, and Katsunari Okamoto; Analysis of wave propagation in inhomogeneous optical fibers using a variational method; *T-MTT* v22 n11 Nov 74 938-945 (1B14)
- Okoshi, Takanori, and Seiko Kitazawa; Computer analysis of short-boundary planar circuits; *T-MTT* v23 n3 Mar 75 299-306 (1C05)
- Okoshi, Takanori, see Okamoto, Katsunari; *T-MTT* v24 n7 Jul 76 416-421 (1B12)
- Okoshi, Takanori, see Okamoto, Katsunari; *T-MTT* v25 n3 Mar 77 213-221 (1D05)
- Okoshi, Takanori, see Kato, Fumio; *T-MTT* v25 n10 Oct 77 814-819 (1A10)
- Okoshi, Takanori, see Okamoto, Katsunari; *T-MTT* v26 n2 Feb 78 109-114 (1E07)
- Okoshi, Takanori, see Oyamada, Kimiyuki; *T-MTT* v28 n8 Aug 80 839-845
- Okoshi, Takanori, see Oyamada, Kimiyuki; *T-MTT* v28 n10 Oct 80 1113-1118
- Okress, E.; Relative to microwave power engineering (Corresp.); *T-MTT* v13 n6 Nov 65 870-871
- Okress, E. C.; Organic superconductor and dielectric infrared waveguide, resonator, and antenna models of insects' sensory organs (Corresp.); *T-MTT* v13 n5 Sep 65 706-707. Correction, Mar 66 164
- Okuno, Yasuo, see Nishizawa, Jun-ichi; *T-MTT* v26 n12 Dec 78 1029-1035 (2A13)
- Okwit, S.; Editor's notice; *T-MTT* v16 n7 Jul 68 382
- Okwit, S.; Editorial; *T-MTT* v16 n12 Dec 68 985
- Okwit, S.; Editorial comment; *T-MTT* v16 n9 Sep 68 575
- Okwit, Seymour, see Mohr, Richard J.; *T-MTT* v8 n6 Nov 60 622-627
- Okwit, Seymour, Martin I. Grace, and Eugene W. Sard; UHF backward-wave parametric amplifier; *T-MTT* v10 n6 Nov 62 558-563
- Okwit, Seymour, see Sard, Eugene; *T-MTT* v14 n12 Dec 66 608-618
- Okwit, Seymour, see De Gruyl, Johannes A.; *T-MTT* v16 n9 Sep 68 586-595
- Okwit, Seymour; The 1974 S-MTT National Lectureship; *T-MTT* v22 n12 Dec 74 1130 (3A12)
- Oliner, A. A., see Altschuler, Helmut M.; *T-MTT* v3 n4 Jul 55 24-30
- Oliner, A. A., see Altschuler, Helmut M.; *T-MTT* v8 n3 May 60 328-339. Addendum, Mar 62 143
- Oliner, Arthur A.; Equivalent circuits for discontinuities in balanced strip transmission line; *T-MTT* v3 n2 Mar 55 134-143
- Oliner, Arthur A., and Walter Rotman; Periodic structures in trough waveguide; *T-MTT* v7 n1 Jan 59 134-142
- Oliner, Arthur A.; Equivalent circuits for small symmetrical longitudinal apertures and obstacles; *T-MTT* v8 n1 Jan 60 72-80
- Oliner, Arthur A., see Hessel, Alexander; *T-MTT* v9 n4 Jul 61 337-343
- Oliner, Arthur A., see Franco, Albert G.; *T-MTT* v10 n2 Mar 62 118-124
- Oliner, Arthur A., see Tamir, Theodor; *T-MTT* v12 n3 May 64 323-325. Correction, Jan 65 141
- Oliner, Arthur A.; Microwave network methods for guided elastic waves; *T-MTT* v17 n11 Nov 69 812-826
- Oliner, Arthur A., see Palócz, István; *T-MTT* v18 n5 May 70 244-252
- Oliner, Arthur A.; Acoustic surface waveguides and comparisons with optical waveguides; *T-MTT* v24 n12 Dec 76 914-920 (1B02)
- Oliva, Stephen A., and George N. Catravas; A multiple-animal array for equal power density microwave irradiation (Short p.); *T-MTT* v25 n5 May 77 433-436 (1G09)
- Olsen, R. G., G. A. Geithman, and D. H. Schrader; A microwave irradiation chamber for scientific studies on agricultural products (Short p.); *T-MTT* v25 n5 May 77 428-433 (1G04)
- Olson, D. H., and Fred J. Rosenbaum; MICTPT—A minicomputer general-purpose microwave two-port analysis program (Ltr.); *T-MTT* v22 n3 Mar 74 340-342 (3B10)
- Olson, Frank A., and Glen Wade; A cavity-type parametric circuit as a phase-distortionless limiter; *T-MTT* v9 n2 Mar 61 153-157
- Olson, Frank A., and J. R. Yaeger; Microwave delay techniques using YIG; *T-MTT* v13 n1 Jan 65 63-69
- Olson, Keith W.; Measured noise temperature versus theoretical electron temperature for gas discharge noise sources; *T-MTT* v16 n9 Sep 68 640-645
- Comments, *T-MTT* v22 n4 Apr 74 469-470 (2E03)
- Comments by Guentzler, R. E., Apr 74 469-470
- Olson, Keith W.; Band transition noise measurements of gas discharge noise sources (Corresp.); *T-MTT* v16 n9 Sep 68 797
- Olson, Keith W.; Apparent frequency dependence of the microwave power radiated from gas discharge noise sources (Corresp.); *T-MTT* v19 n9 Sep 71 776-778 (1E02)
- Olthof, H., see Wijnbergen, J. J.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Olthuis, R. W.; Considerations in klystron design for microwave relay systems; *T-MTT* v22 n1 Apr 54 103-107
- Oltman, D. A., see Stelzried, C. T.; *T-MTT* v17 n4 Apr 69 233-234
- Oltman, H. George, Jr.; Sharp cutoff microwave filters; *T-MTT* v11 n1 Jan 63 30-35
- Oltman, H. George, Jr.; The compensated balun; *T-MTT* v14 n3 Mar 66 112-119
- Oltman, H. George, Jr., and C. H. Nonnemaker; Subharmonically injection phase-locked Gunn oscillator experiments (Corresp.); *T-MTT* v17 n9 Sep 69 728-729
- Oltman, H. George, Jr.; Editor's preface; *T-MTT* v28 n11 Nov 80 1233
- O'Meara, T. R., see Jacobson, A. D.; *T-MTT* v13 n4 Jul 65 475-477
- O'Meara, Thomas R.; The coupled-cavity transmission maser-analysis; *T-MTT* v12 n3 May 64 336-348
- Omori, M., see Bonfeld, M. D.; *T-MTT* v14 n2 Feb 66 98-99
- Omori, Masahiro, see Hamilton, Robert J., Jr.; *T-MTT* v24 n11 Nov 76 775-780 (2A08)
- Omori, Takeo; The diffraction loss curve for nonconfocal spherical mirrors (Corresp.); *T-MTT* v12 n2 Mar 64 258
- Ondria, John, see Gnerlich, Hans R.; *T-MTT* v25 n12 Dec 77 977-981 (1B01)
- Ondria, John G., see Hines, M. E.; *T-MTT* v16 n9 Sep 68 738-742
- Ondria, John G.; A microwave system for measurements of AM and FM noise spectra; *T-MTT* v16 n9 Sep 68 767-781
- Ono, Koujiro, see Nagai, Nobuo; *T-MTT* v25 n12 Dec 77 1008-1012 (1D04)
- Ono, S., see Mizuno, K.; *T-MTT* v25 n6 Jun 77 470-472 (1B04)
- Ootomo, Isao, see Shimada, Sadakuni; *T-MTT* v18 n1 Jan 70 61-62
- Ootomo, Isao, Sadakuni Shimada, and Nobuo Suzuki; Two-cavity ring-type channel-dropping filters for a millimeter-wave guided wave communication system (Corresp.); *T-MTT* v19 n5 May 71 481-484 (2B07)
- Opp, Francis L., and W. F. Hoffman; Design of digital loaded-line phase-shift

- networks for microwave thin-film applications; *T-MTT v16 n7 Jul 68* 462-468
- Oraizi, H.**, and J. Perini; A numerical method for the solution of the junction of cylindrical waveguides (Short p.); *T-MTT v21 n10 Oct 73* 640-642 (1E06)
- O'Reilly, George T.**, see Wilson, L. K.; *T-MTT v22 n4 Apr 74* 470-471 (2E04)
- O'Reilly, George T.**, see Neidert, R. E.; *T-MTT v22 n8 Aug 74* 808-810 (1D12)
- O'Reilly, George T.**, R. E. Neidert, and L. K. Wilson; Designing microstrip matching networks for microwave-transistor power amplifiers (Short p.); *T-MTT v22 n12 Dec 74* 1323-1325 (5D01)
- Osborne, Thomas L.**; Amplitude behavior of injection-locked oscillators; *T-MTT v18 n11 Nov 70* 897-905
- Osepchuk, John M.**; Guest editorial; *T-MTT v19 n2 Feb 71* 128-129 (1B04)
- O'Shaughnessy, Brian P.**, see Matthaei, George L.; *T-MTT v24 n1 Jan 76* 1-10 (1A03)
- Osmani, Rashid M.**; Correction to 'The design of coupled microstrip lines'; *T-MTT v28 n6 Jun 80* 672-673
- Osterwalder, J. Martin**; Ku-band electronically tunable monopulse receiver; *T-MTT v19 n7 Jul 71* 627-633 (2B06)
- Otoshi, T. Y.**; On the scattering parameters of a reduced multipoint (Corresp.); *T-MTT v17 n9 Sep 69* 722-724
Comments, *T-MTT v18 n3 Mar 70* 171
- Otoshi, T. Y.**, C. T. Stelzried, B. C. Yates, and R. W. Beatty; Comparisons of waveguide losses calibrated by the dc potentiometer, ac ratio transformer, and reflectometer techniques (Corresp.); *T-MTT v18 n7 Jul 70* 406-409
- Otoshi, Tom Y.**; The effect of mismatched components on microwave noise-temperature calibrations; *T-MTT v16 n9 Sep 68* 675-686. Correction, Mar 69 174
- Otoshi, Tom Y.**, and Charles T. Stelzried; A precision compact rotary vane attenuator; *T-MTT v19 n11 Nov 71* 843-854 (1B03)
- Otoshi, Tom Y.**; A study of microwave leakage through perforated flat plates (Short p.); *T-MTT v20 n3 Mar 72* 235-236 (1E01)
- Otoshi, Tom Y.**; An analytical expression for the limits of error in the measurement of reflection-coefficient phase (Short p.); *T-MTT v21 n3 Mar 73* 151-153 (1D09)
- Otoshi, Tom Y.**, see Beatty, Robert W.; *T-MTT v23 n11 Nov 75* 919-923 (1E13)
- Ott, E.**, see Lampe, M.; *T-MTT v25 n6 Jun 77* 556-558 (2C01)
- Ott, Edward**; Multiline 2N-port directional couplers (Corresp.); *T-MTT v14 n11 Nov 66* 578-579
- Ottavi, C. M.**; Plotting the electromagnetic field by power dissipation (Corresp.); *T-MTT v15 n1 Jan 67* 59-60
- Otto, Oberdan W.**, see Nudd, Graham R.; *T-MTT v24 n1 Jan 76* 54-56 (1D14)
- Ou, Wen Pin**; Design equations for an interdigitated directional coupler (Short p.); *T-MTT v23 n2 Feb 75* 253-255 (1F01)
Comments by Mosko, J. A.; Sep 76 628
- Overgaard, Jens**; Biological effect of 27.12-MHz short-wave diathermic heating in experimental tumors; *T-MTT v26 n8 Aug 78* 523-529 (1A09)
- Owen, Brian**, and Clare E. Barnes; The compact turnstile circulator; *T-MTT v18 n12 Dec 70* 1096-1100
- Owen, John Q.**, see Young, Leo; *T-MTT v7 n3 Jul 59* 384-387
- Owens, R. P.**, and D. Cawsey; Microwave equivalent-circuit parameters of Gunn-effect-device packages; *T-MTT v18 n11 Nov 70* 790-798
- Owens, Roger P.**, James E. Aitken, and Terence C. Edwards; Quasi-static characteristics of microstrip on an anisotropic sapphire substrate; *T-MTT v24 n8 Aug 76* 499-505 (1A11)
- Owens, Roger P.**, see Edwards, Terence C.; *T-MTT v24 n8 Aug 76* 506-513 (1B04)
- Owyang, Gilbert H.**, and Ronald W. P. King; Complementarity in the study of transmission lines; *T-MTT v8 n2 Mar 60* 172-181
- Owyang, Gilbert H.**, and S. R. Seshadri; Guided waves propagating along the magnetostatic field at a plane boundary of a semi-infinite magnetoionic medium; *T-MTT v14 n3 Mar 66* 136-144
- Oxley, Christopher H.**, Anthony M. Howard, and Jeffrey J. Purcell; Design and performance of I-band (8-10-GHz) TRAPATT diodes and amplifiers; *T-MTT v27 n5 May 79* 463-471 (2A04)
- Oya, Toshio**, see Ito, Yukio; *T-MTT v20 n12 Dec 72* 799-805 (1B10)
- Oyamada, Kimiyuki**, and Takanori Okoshi; High-accuracy WKB analyses of α -power graded-core fibers; *T-MTT v28 n8 Aug 80* 839-845
- Oyamada, Kimiyuki**, and Takanori Okoshi; High-accuracy numerical data on propagation characteristics of α -power graded-core fibers; *T-MTT v28 n10 Oct 80* 1113-1118
- Ozaki, Hiroshi**; On Riblet's theorem (Corresp.); *T-MTT v6 n3 Jul 58* 331-332
Comments, *T-MTT v7 n2 Apr 59* 297-298
- P**
- Packard, K. S.**; The cutoff wavelength of trough waveguide (Corresp.); *T-MTT v6 n4 Oct 58* 455-456
- Packard, Karl S.**; Optimum impedance and dimensions for strip transmission line; *T-MTT v5 n4 Oct 57* 244-247
- Packard, Karl S., Jr.**; Planar transmission lines—Part III (Corresp.); *T-MTT v5 n2 Apr 57* 163. Correction, Oct 57 265
- Paczkowski, John P.**, see Upadhyayula, Chainulu L.; *T-MTT v24 n12 Dec 76* 920-926 (1B08)
- Paglione, Robert W.**, see Siekanowicz, Wieslaw W.; *T-MTT v17 n9 Sep 69* 712-717
- Paglione, Robert W.**, see Siekanowicz, Wieslaw W.; *T-MTT v18 n4 Apr 70* 212-216
- Paige, Edward G. S.**, see Marshall, F. Graham; *T-MTT v21 n4 Apr 73* 206-215 (1E06)
- Paige, Edward G. S.**, see Marshall, F. Graham; *T-MTT v21 n4 Apr 73* 216-225 (2B01)
- Paik, S. F.**; Iterated solid-state microwave power amplifier; *T-MTT v20 n3 Mar 72* 202-209 (1B04)
- Paik, S. F.**, P. J. Tanzi, and Douglas J. Kelley; IMPATT-diode power amplifiers for digital communication systems; *T-MTT v21 n11 Nov 73* 716-720 (2B10)
- Paik, S. F.**; Q degradation in varactor-tuned oscillators (Short p.); *T-MTT v22 n5 May 74* 578-580 (2C09)
- Painchaud, Guy R.**, see James, David S.; *T-MTT v25 n5 May 77* 392-398 (1D10)
- Palais, Joseph C.**; A complete solution of the inductive iris with TE₀₀ incidence in rectangular waveguide; *T-MTT v15 n3 Mar 67* 156-160
- Palka, F. M.**, see Ashley, J. Robert; *T-MTT v18 n11 Nov 70* 1002-1004
- Palka, Frank M.**, see Ashley, J. Robert; *T-MTT v16 n9 Sep 68* 753-760
- Palka, Frank M.**, see Ashley, J. Robert; *T-MTT v18 n11 Nov 70* 1001-1002
- Palócz, István**, see Guckel, Henry; *T-MTT v15 n8 Aug 67* 468-476
- Palócz, István**, see Hellman, Martin E.; *T-MTT v17 n5 May 69* 254-259
- Palócz, István**, and Arthur A. Oliner; Equivalent network of a multimode planar grating; *T-MTT v18 n5 May 70* 244-252
- Palócz, Suzanne**, see Tamir, Theodor; *T-MTT v12 n2 Mar 64* 189-196
- Pan, Wen Y.**, see Bura, P.; *T-MTT v16 n7 Jul 68* 424-428
- Panasik, Carl M.**, and Bill J. Hunsinger; Harmonic analysis of SAW transducers; *T-MTT v26 n6 Jun 78* 447-450 (1E13)
- Pande, Madan K.**, see Karekar, R. N.; *T-MTT v24 n5 May 76* 262-264 (1B14)
- Pande, Madan K.**, see Karekar, R. N.; *T-MTT v25 n1 Jan 77* 74-75 (1F06)
- Pandharipande, V. M.**, and B. N. Das; Coupling of waveguides through large apertures; *T-MTT v26 n3 Mar 78* 209-212 (1F05). Correction, *T-MTT v27 n2 Feb 79* 208 (2B07). Correction, *T-MTT v27 n7 Jul 79* 707-708 (1F11)
- Pandharipande, V. M.**, and B. N. Das; Slot-coupled tee junction in rectangular-guide E plane; *T-MTT v27 n1 Jan 79* 65-69 (1E11)
- Pandharipande, V. M.**, and B. N. Das; Equivalent circuit of a narrow-wall waveguide slot coupler; *T-MTT v27 n9 Sep 79* 800-804 (1C06)
- Pang, Khee K.**; Normal transmission-line networks and their lumped LC presentation; *T-MTT v21 n10 Oct 73* 601-607 (1B03)
- Pang, Khee K.**, see Kirton, Paul A.; *T-MTT v25 n8 Aug 77* 672-676 (1D02)
- Panini, Luigi**, see Bianco, Bruno; *T-MTT v26 n3 Mar 78* 182-185 (1D06)
- Panish, Morton B.**; Heterostructure injection lasers; *T-MTT v23 n1 Jan 75* 20-30 (1B08)
- Pantell, R.**, see Piestrup, M.; *T-MTT v22 n12 Dec 74* 1117 (1C14)
- Pantell, Richard H.**, see DiDomenico, Mauro, Jr.; *T-MTT v10 n3 May 62* 179-185
- Pantell, Richard H.**, and Richard G. Smith; Multiple quantum effects at millimeter wavelengths; *T-MTT v11 n5 Sep 63* 317-324
- Pantzaris, Thespis P.**, see Scanlan, Sean O.; *T-MTT v18 n1 Jan 70* 15-25
- Pantzaris, Thespis P.**, see Scanlan, Sean O.; *T-MTT v19 n9 Sep 71* 749-759 (1B11)
- Paolino, Donald D.**; MIC overlay coupler design using spectral domain techniques; *T-MTT v26 n9 Sep 78* 646-649 (1B06)
- Papiernik, Albert**, see Fray, Claude; *T-MTT v26 n11 Nov 78* 886-892 (1D02)
- Papiernik, Albert**, see Fray, Claude; *T-MTT v27 n4 Apr 79* 334-340 (1D02)
- Papp, James C.**, and Yoshiomi Koyano; An 8-18-GHz YIG-tuned FET oscillator; *T-MTT v28 n7 Jul 80* 762-767
- Parad, Leonard I.**, and Robert L. Moynihan; Split-tee power divider; *T-MTT v13 n1 Jan 65* 91-95
- Parekh, Jayantkumar P.**, and Hang-Sheng Tuan; Reflection of magnetostatic forward volume waves by a shallow-grooved grating on a YIG film; *T-MTT v26 n12 Dec 78* 1039-1044 (2B09)
- Paris, D. T.**; An extension of the TE_{01n} resonator method of making measurements on solid dielectrics (Corresp.); *T-MTT v12 n2 Mar 64* 251-252
- Paris, Demetrius T.**, see Cram, Milton E.; *T-MTT v16 n8 Aug 68* 548-553
- Park, D.**; Planar transmission lines—III (Corresp.); *T-MTT v4 n2 Apr 56* 130
Comments, *T-MTT v5 n2 Apr 57* 163
- Park, David**; Planar transmission lines; *T-MTT v3 n3 Apr 55* 8-12. Addendum, Jan 57 75
- Park, David**; Planar transmission lines—II; *T-MTT v3 n5 Oct 55* 7-11
Comments, *T-MTT v4 n3 Jul 56* 184
- Parkash, Anand J.**, K. Vaid, and Abhai Mansingh; Measurement of dielectric parameters at microwave frequencies by cavity-perturbation technique; *T-MTT v27 n9 Sep 79* 791-795 (1B11)
- Parker, C. D.**, see Fetterman, H. R.; *T-MTT v22 n12 Dec 74* 1013-1015 (1C07)
- Parker, C. D.**, see Murphy, R. A.; *T-MTT v25 n6 Jun 77* 494-495 (1C14)
- Parker, Don**; Comments from the Editor; *T-MTT v23 n2 Mar 75* 270 (1A04)
- Parker, Don**, see Lee, Robert E.; *T-MTT v24 n5 May 76* 249-253 (1B01)
- Parker, Don**; Announcement; *T-MTT v25 n5 May 77* 451 (1B01)
- Parker, Don**; Editorial from previous Editor; *T-MTT v26 n1 Jan 78* 1 (1A03)
- Parker, R. K.**, see Granatstein, Victor L.; *T-MTT v22 n12 Dec 74* 1000-1005 (1B08)
- Parker, T. J.**, and W. G. Chambers; A new technique for dispersive-reflection spectroscopy in the far infrared; *T-MTT v22 n12 Dec 74* 1032-1036 (1D12)
- Parker, William N.**; DIPNET: A general distributed parameter network analysis program; *T-MTT v17 n8 Aug 69* 495-505
- Parkes, D. A.**, see Sullivan, Donald J.; *T-MTT v8 n2 Mar 60* 212-217
- Parks, J. K.**, Bruce R. Savage, Louis J. Lavedan Jr., and Julian Brown Jr.; A miniaturized C-band digital latching phase shifter; *T-MTT v14 n12 Dec 66* 688-694
- Parodi, M.**, see Bianco, B.; *T-MTT v28 n2 Feb 80* 152
- Parodi, Mauro**, see Bianco, Bruno; *T-MTT v26 n3 Mar 78* 182-185 (1D06)
- Parriaux, Olivier**, see Gardiol, Fred E.; *T-MTT v21 n7 Jul 73* 457-461 (1C11)
- Parriaux, Olivier**, and Fred E. Gardiol; Propagation in circular waveguide loaded with an azimuthally magnetized ferrite tube (Short p.); *T-MTT v25 n3 Mar 77* 221-224 (1D13)
- Parris, W. J.**; P-I-N variable attenuator with low phase shift (Short p.); *T-MTT v20 n9 Sep 72* 618-619 (2B05)
- Parsonson, C. G.**, S. R. Longley, and J. B. Davies; The theoretical design of broadband 3-port waveguide circulators (Corresp.); *T-MTT v16 n4 Apr 68* 256-258
- Pertain, Larry D.**, W. Allan Cook, Hua-Feng Huang, and Lewis C. Goodrich; Absolute load detection with microwave Gunn oscillators (Short p.); *T-MTT v24 n10 Oct 76* 656-660 (1B14)
- Pertain, Larry D.**, see Lakshminarayana, Mysore R.; *T-MTT v27 n7 Jul 79* 661-665 (1C07)
- Parch, Jerome E.**; Dielectric-shielded G-line; *T-MTT v17 n5 May 69* 271-274
- Pascalar, Herbert G.**; Strip line hybrid junction; *T-MTT v5 n1 Jan 57* 23-30
- Passaro, W. C.**, see Landry, D. H.; *T-MTT v13 n6 Nov 65* 866-867
- Passaro, William C.**, and James W. McManus; A 35-GHz latch switch; *T-MTT v14 n12 Dec 66* 669-672
- Passchier, W. F.**, see Afsar, M. N.; *T-MTT v25 n6 Jun 77* 505-508 (1D11)
- Patel, C. N.**; Magnetically tunable nonreciprocal band-pass filters using ferrimagnetic resonators; *T-MTT v10 n3 May 62* 152-161
- Patel, Parbhubhai D.**; Calculation of capacitance coefficients for a system of irregular finite conductors on a dielectric sheet; *T-MTT v19 n11 Nov 71* 862-869 (1C10)
Comments by Birtles, A. B., and Mayo, B. J., Aug 73 568-569
- Paterno, Philip M.**, see Youla, Dante C.; *T-MTT v12 n3 May 64* 289-299
- Patrin, Nicholas A.**, see Champlin, Keith S.; *T-MTT v16 n2 Feb 68* 90-94
- Patterson, J. T.**; General noise analysis for bias- and RF-voltage-dependent transferred-electron devices (Short p.); *T-MTT v24 n7 Jul 76* 460-463 (2A05)
- Patterson, Kenneth G.**; A method for accurate design of a broad-band multibranch waveguide coupler; *T-MTT v7 n4 Oct 59* 466-473

- Patty, O. L., W. E. Little, and M. H. Zanboorie; Waveguide connector measurements with a millimeter-wave reflectometer (Corresp.); *T-MTT v16 n2 Feb 68* 121-123
- Paul, Clayton R.; On uniform multimode transmission lines (Short p.); *T-MTT v21 n8 Aug 73* 556-558 (2C02)
- Paul, Clayton R.; Efficient numerical computation of the frequency response of cables illuminated by an electromagnetic field (Short p.); *T-MTT v22 n4 Apr 74* 454-457 (2D02)
- Paul, Clayton R.; Useful matrix chain parameter identities for the analysis of multiconductor transmission lines (Short p.); *T-MTT v23 n9 Sep 75* 756-760 (1C10)
- Paul, D. K., see Chaudhuri, B. B.; *T-MTT v27 n2 Feb 79* 170-172 (1F10)
- Paul, G. U., see Arndt, Fritz; *T-MTT v27 n8 Aug 79* 724-731 (1A08)
- Paul, Jeffrey A., and Yu-Wen Chang; Millimeter-wave image-guide integrated passive devices; *T-MTT v26 n10 Oct 78* 751-754 (1D07)
- Paul, Lynn E., see Nunn, Walter M., Jr.; *T-MTT v29 n3 May 81* 248-251
- Paulin, A., see Gerke, H.; *T-MTT v12 n6 Nov 64* 620-621
- Paunovic, Zoja, see Kafjez, Darko; *T-MTT v26 n10 Oct 78* 806-808 (2A12)
- Pavlascek, Tomas J. F., see Howarth, Barry A.; *T-MTT v20 n9 Sep 72* 623-626 (2B10)
- Pavlascek, Tomas J. F., see Howarth, Barry A.; *T-MTT v20 n9 Sep 72* 623-626 (2B10)
- Pavlidis, Dimitrios, and Hans L. Hartnagel; The design and performance of three-line microstrip couplers; *T-MTT v24 n10 Oct 76* 631-640 (1A03)
- Pavlidis, Dimitrios, Hans Ludwig Hartnagel, and Kazutaka Tomizawa; Dynamic considerations of injection locked pulsed oscillators with very fast switching characteristics; *T-MTT v26 n3 Mar 78* 162-169 (1B14)
- Pavlin, Stane, see Kafjez, Darko; *T-MTT v26 n10 Oct 78* 806-808 (2A12)
- Paxman, David H., see Haddad, George I.; *T-MTT v12 n4 Jul 64* 406-414
- Payer, Stephen F., Robert Avery Moore, and Peter H. Pincoffs; A microwave correlator employing YIG delay lines; *T-MTT v18 n8 Aug 70* 426-432
- Payne, C. D., see Atchison, C. S.; *T-MTT v16 n1 Jan 68* 46-47
- Payne, John B., III; The investigation of an electron resonance spectrometer utilizing a generalized feedback microwave oscillator; *T-MTT v12 n1 Jan 64* 48-54
- Peake, William H., see Dybdal, Robert B.; *T-MTT v19 n1 Jan 71* 2-9 (1B04)
- Pease, Robert L., and Charles R. Miggins; A universal approximate formula for characteristic impedance of strip transmission lines with rectangular inner conductors; *T-MTT v3 n2 Mar 55* 144-148
- Pedersen, Robert J., see Vernon, Frank L., Jr.; *T-MTT v25 n4 Apr 77* 286-294 (1D06)
- Pedinoff, Melvin E.; The negative-conductance slot amplifier; *T-MTT v9 n6 Nov 61* 557-566
- Pedinoff, Melvin E., see Gerard, Henry M.; *T-MTT v20 n2 Feb 72* 188-192 (2E10)
- Pedler, William F., see Smith, W. Richard; *T-MTT v23 n11 Nov 75* 853-864. Correction, Jul 76 487 (1A03)
- Peech, J., and S. J. Allen; Far infrared cyclotron resonance in metals (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Pellegrin, Jean-Louis; The filling factor of shielded dielectric resonators; *T-MTT v17 n10 Oct 69* 764-768
- Peltier, Michel, see Gloanec, Maurice; *T-MTT v28 n5 May 80* 472-478
- Pence, Ira W., and Peter J. Khan; Broad-band equivalent-circuit determination of Gunn diodes; *T-MTT v18 n11 Nov 70* 784-789
- Penfield, Hays, see Fetterman, H. R.; *T-MTT v22 n12 Dec 74* 1013-1015 (1C07)
- Penfield, P., see Chorney, P.; *T-MTT v15 n1 Jan 67* 58-59
- Penfield, Paul, Jr., see Chorney, Paul; *T-MTT v19 n9 Sep 71* 767-772 (1D05)
- Penfield, Paul, Jr., see Bauer, Ronald F.; *T-MTT v22 n3 Mar 74* 282-288 (2C06)
- Peng, S. T., Theodor Tamir, and Henry L. Bertoni; Theory of periodic dielectric waveguides; *T-MTT v23 n1 Jan 75* 123-133. Correction, Aug 76 542 (2C04)
- Penunuri, David; A numerical technique for SAW diffraction simulation; *T-MTT v26 n4 Apr 78* 288-294 (1E10)
- Penzias, Arno A.; Measurement of cosmic microwave background radiation; *T-MTT v16 n9 Sep 68* 608-611
- Pepper, William H., see Kaiser, Julius A., Jr.; *T-MTT v10 n6 Nov 62* 548-550
- Peppiatt, Harry J., A. V. McDaniel Jr., and J. Burton Linker Jr.; A 7-Gc/s narrow-band waveguide switch using p-i-n junction diodes; *T-MTT v13 n1 Jan 65* 44-47
- Comments, *T-MTT v13 n6 Nov 65* 874-875
- Peppiatt, Harry J., James A. Hall, and A. V. McDaniel Jr.; A low-noise class-C oscillator using a directional coupler; *T-MTT v16 n9 Sep 68* 748-752
- Peppiatt, Harry J., see Salay, Steven J.; *T-MTT v19 n1 Jan 71* 109-110 (2F05)
- Peppiatt, Harry J., see Salay, Steven J.; *T-MTT v20 n2 Feb 72* 192-193 (2F02)
- Pergola, Joseph J., see Gilden, Meyer; *T-MTT v12 n1 Jan 64* 26-33
- Perichon, Robert; Frequency-modulation noise of subharmonically injection phase-locked IMPATT oscillator (Corresp.); *T-MTT v18 n11 Nov 70* 988-989
- Perini, J., see Oraizi, H.; *T-MTT v21 n10 Oct 73* 640-642 (1E06)
- Perini, Jose; Periodically loaded transmission lines (Short p.); *T-MTT v28 n9 Sep 80* 1029-1031
- Perkowitz, S., and J. Brecher; Far infrared reflectivity and electron scattering in GaAs (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Perkowitz, S., see Blue, M. D.; *T-MTT v25 n6 Jun 77* 491-493 (1C11)
- Perlman, Barry S.; Current-pumped abrupt-junction varactor power-frequency converters; *T-MTT v13 n2 Mar 65* 150-161
- Perlman, Barry S., see Perlow, Stewart M.; *T-MTT v13 n6 Nov 65* 820-827
- Perlman, Barry S., and Thomas E. Walsh; Criterion for nonreciprocal injection locking of bilateral microwave oscillators (Corresp.); *T-MTT v18 n8 Aug 70* 507-508
- Perlman, Barry S., Chainulu L. Upadhyayula, and Richard E. Marx; Wide-band reflection-type transferred electron amplifiers; *T-MTT v18 n11 Nov 70* 911-921
- Perlman, Barry S., see Cusack, Joseph; *T-MTT v22 n12 Dec 74* 1146-1152 (3B14)
- Perlow, Stewart M., and Barry S. Perlman; A large signal analysis leading to intermodulation distortion prediction in abrupt junction varactor upconverters; *T-MTT v13 n6 Nov 65* 820-827
- Comments, *T-MTT v15 n3 Mar 67* 183-184
- Perlow, Stewart M., see Cusack, Joseph; *T-MTT v22 n12 Dec 74* 1146-1152 (3B14)
- Perry, John P., see Bromaghim, Dan R.; *T-MTT v26 n5 May 78* 322-325 (1A04)
- Persky, George; The sinusoidal variation of dissipation along uniform waveguides; *T-MTT v10 n6 Nov 62* 592-595
- Petelin, M. I., see Flyagin, V. A.; *T-MTT v25 n6 Jun 77* 514-521 (1E06)
- Peters, Leon, Jr., see Dybdal, Robert B.; *T-MTT v19 n1 Jan 71* 2-9 (1B04)
- Peterson, Dean F., and Donald H. Steinbrecher; Circuit model for characterizing the nearly linear behavior of avalanche diodes in amplifier circuits; *T-MTT v21 n1 Jan 73* 19-27 (1C09)
- Peterson, Dean F.; A device characterization and circuit design procedure for realizing high-power millimeter-wave IMPATT-diode amplifiers; *T-MTT v21 n11 Nov 73* 681-689 (1D03)
- Peterson, Dean F.; Circuit conditions to prevent second-subharmonic power extraction in periodically driven IMPATT diode networks; *T-MTT v22 n8 Aug 74* 784-790 (1C02)
- Peterson, Dean F.; Varactor properties for wide-band linear-tuning microwave VCO's; *T-MTT v28 n2 Feb 80* 110-119
- Peterson, Dean F., and George I. Haddad; Read-type varactors for parametric amplifier applications; *T-MTT v28 n9 Sep 80* 945-951
- Peterson, R. W.; N-terminal power divider (Corresp.); *T-MTT v9 n6 Nov 61* 571
- Petroff, L., see Willis, J.; *T-MTT v10 n5 Sep 62* 395-396
- Pettersson, Lars; On the theory of coupling between finite dielectric resonators (Short p.); *T-MTT v24 n9 Sep 76* 615-619 (1F01)
- Pettersson, Lars E., see Nilsson, B. Olle; *T-MTT v27 n6 Jun 79* 616-618 (1E06)
- Petty, S. M., see Stelzried, C. T.; *T-MTT v12 n4 Jul 64* 475-477
- Petty, S. M., and R. C. Clauss; X-band traveling wave maser (Corresp.); *T-MTT v16 n1 Jan 68* 47-48
- Peugnet, C., see Buzzi, J. M.; *T-MTT v25 n6 Jun 77* 559-560 (2C04)
- Peyser, William P., see Albanese, Victor J.; *T-MTT v6 n4 Oct 58* 369-373
- Peyton, B. F., R. A. Ams, W. Wade, and T. Collins; Bulk and deposited ferrite isolators for millimeter maser application (Corresp.); *T-MTT v16 n5 May 68* 319-320
- Peyton, Bernard, see Ams, Frank; *T-MTT v9 n3 May 61* 212-216
- Peyton, Bernard, see Sard, Eugene; *T-MTT v14 n12 Dec 66* 608-618
- Pflieder, Robert H., see Okean, Herman C.; *T-MTT v20 n2 Feb 72* 155-164 (2C01)
- Pfund, George, Craig P. Snapp, and Allen Podell; Pulsed double-drift silicon IMPATT diodes and their application; *T-MTT v22 n12 Dec 74* 1134-1140 (2B02)
- Pfund, George, and Rocky Curby; High peak pulse power silicon double-drift IMPATT diodes; *T-MTT v27 n5 May 79* 450-451 (1G04)
- Phelan, H. Richard; A wide-band parallel-connected balun; *T-MTT v18 n5 May 70* 259-263
- Phillips, Ronald L., see Jelsma, Lawrence F.; *T-MTT v18 n9 Sep 70* 648-649
- Phillips, T. G., and K. B. Jefferts; Millimeter-wave receivers and their applications in radio astronomy; *T-MTT v22 n12 Dec 74* 1290-1292 (5A10)
- Phillips, Theodore L., see Baker, Robert J.; *T-MTT v26 n8 Aug 78* 541-545 (1B13)
- Pickard, W. F., see Liu, L. M.; *T-MTT v23 n11 Nov 75* 929-931 (1F09)
- Pickard, W. F., see Liu, L. M.; *T-MTT v24 n4 Apr 76* 216-219 (1D12)
- Pickard, William F., see Seshadri, S. R.; *T-MTT v12 n5 Sep 64* 529-541
- Pidgeon, C. R., see Wherrett, B. S.; *T-MTT v22 n12 Dec 74* 1100-1103 (2B11)
- Pierce, Arvia L.; Polishing technique for garnet spheres (Corresp.); *T-MTT v9 n3 May 61* 266-267
- Pierce, J. R.; Proceedings or Transactions? (Corresp.); *T-MTT v3 n4 Jul 55* 52-53
- Pierro, John; Cryogenically cooled GaAs FET amplifier with a noise temperature under 70 K at 5.0 GHz (Short p.); *T-MTT v24 n12 Dec 76* 972-975 (2A01)
- Piestrup, M., R. Fleming, and R. Pantell; Energy modulation of an electron beam by a laser (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1117 (1C14)
- Pincoffs, Peter H., see Payer, Stephen F.; *T-MTT v18 n8 Aug 70* 426-432
- Pines, David; Coherent excitation of plasma oscillations in solids; *T-MTT v9 n1 Jan 61* 89-92
- Pintzos, Sotirios G., and Reinhold Pregla; A simple method for computing the resonant frequencies of microstrip ring resonators; *T-MTT v26 n10 Oct 78* 809-813 (2B01)
- Piontek, Gerald E., Charles A. Cain, and John A. Milner; The effects of microwave radiation, hyperthermia, and L-ascorbic acid on Ehrlich ascites carcinoma cell metabolism; *T-MTT v26 n8 Aug 78* 535-540 (1B07)
- Piotrowski, W. S., and J. E. Raue; Low-loss broad-band EHF circulator (Corresp.); *T-MTT v24 n11 Nov 76* 863-866 (3A11)
- Pippin, John E., and C. Lester Hogan; Resonance measurements on nickel-cobalt ferrites as a function of temperature and on nickel ferrite-aluminates; *T-MTT v6 n1 Jan 58* 77-82
- Pippin, John E., see Rodrigue, G. P.; *T-MTT v6 n1 Jan 58* 83-91
- Pippin, John E., see Amoss, John W.; *T-MTT v13 n6 Nov 65* 789-793
- Pitzalis, Octavio, Jr., and Russell A. Gilson; Tables of impedance matching networks which approximate prescribed attenuation versus frequency slopes; *T-MTT v19 n4 Apr 71* 381-386 (1E01)
- Pitzalis, Octavio, Jr., and Russell A. Gilson; Broad-band microwave class-C transistor amplifiers; *T-MTT v21 n11 Nov 73* 660-668 (1B06)
- Pivnichny, J., see Ruehli, A. E.; *T-MTT v23 n8 Aug 75* 706-708 (2A10)
- Place, H., see Maginnis, W. P.; *T-MTT v2 n1 Apr 54* 1-8
- Plambeck, Richard L., see Goldsmith, Paul F.; *T-MTT v22 n12 Dec 74* 1115-1116 (2C12)
- Plambeck, Richard L., see Goldsmith, Paul F.; *T-MTT v24 n11 Nov 76* 859-861
- Planck, Peter Ver, see Ver Planck, Peter
- Plant, Thomas K., Leon A. Newman, Edward J. Danielewicz, Thomas A. DeTemple, and Paul D. Coleman; High power optically pumped far infrared lasers; *T-MTT v22 n12 Dec 74* 988-990 (1A10)
- Plants, Samuel T., see Bowers, Harold C.; *T-MTT v18 n11 Nov 70* 943-951
- Plonsey, Robert; Surface current measurements with an electric probe; *T-MTT v10 n3 May 62* 214-217
- Plonus, M. A.; On the impedance of a finite slot (Corresp.); *T-MTT v14 n1 Jan 66* 48-49
- Plutchok, Hy; On high-frequency stability of tunnel diode amplifiers (Corresp.); *T-MTT v14 n2 Feb 66* 93-94
- Podell, Allen, see Pfund, George; *T-MTT v22 n12 Dec 74* 1134-1140 (2B02)
- Podgorski, Andrew S., and Robert H. Macphie; Quarter-wavelength coupled dielectric plate resonators for high selectivity TE₁₀-mode filters; *T-MTT v28 n4 Apr 80* 405-408
- Poinso, A., see Joly, J. C.; *T-MTT v20 n6 Jun 72* 422 (2C09)
- Poirier, A. L.; An integrated microstrip circulator (Corresp.); *T-MTT v19 n7 Jul 71* 661-662 (2E04)
- Pollmann, Horst, R. Engelmann, W. Frey, and Berthold G. Bosch; Load dependence of Gunn-oscillator performance; *T-MTT v18 n11 Nov 70* 817-827
- Polson, J. H., see Bongianini, W. L.; *T-MTT v16 n12 Dec 68* 1061-1064
- Pomeroy, A. F., and E. M. Suárez; Determining attenuation of waveguide from electrical measurements on short samples; *T-MTT v4 n2 Apr 56* 122-129
- Pompei, D., see Dumas, R.; *T-MTT v21 n8 Aug 73* 552-556 (2B10)
- Pompei, Dominique, Olivier Benevise, and Edouard Rivier; Parallel line microstrip filters in an inhomogeneous medium; *T-MTT v26 n4 Apr 78* 231-238 (1A09)
- Pompei, Dominique, see Ros, Alain; *T-MTT v23 n8 Aug 75* 703-706 (2A07)
- Pon, Chuck Y.; Hybrid-ring directional coupler for arbitrary power divisions; *T-MTT v9 n6 Nov 61* 529-535

- Popović, J. R.**, and John W. Bandler; A special program for least pth approximation including interpolation (Computer program descr.); *T-MTT* v22 n1 Jan 74 76 (1F08)
- Popović, J. R.**, and John W. Bandler; A general program for discrete least pth approximation (Computer program descr.); *T-MTT* v22 n1 Jan 74 76-77 (1F08)
- Popović, Jadranka R.**, see Bandler, John W.; *T-MTT* v22 n3 Mar 74 300-308 (2D10)
- Popović, Jadranka R.**, see Bandler, John W.; *T-MTT* v22 n3 Mar 74 344 (3B14)
- Popovic, Vojin P.**, see Zimmer, Robert P.; *T-MTT* v19 n2 Feb 71 238-245 (3B07)
- Porra, V.**, and P. Somervuo; Broadband matching of a parametric amplifier by using Fano's method (Corresp.); *T-MTT* v16 n10 Oct 68 880-882
- Porter, W. A.**, D. I. Breitzer, and B. Smilowitz; Pump noise transfer in parametric amplifiers (Short p.); *T-MTT* v22 n10 Oct 74 894-896 (1D06)
- Posner, Ronald S.**, see Hines, Marion E.; *T-MTT* v24 n7 Jul 76 393-404 (1A03)
- Pospieszalski, Marian W.**; On the theory and application of the dielectric post resonator (Short p.); *T-MTT* v25 n3 Mar 77 228-231 (1E06)
- Pospieszalski, Marian W.**; Cylindrical dielectric resonators and their applications in TEM line microwave circuits; *T-MTT* v27 n3 Mar 79 233-238 (1B05)
- Pospieszalski, Marian W.**, see Jaworski, Marek; *T-MTT* v27 n7 Jul 79 639-643. Correction, Jun 80 673 (1A13)
- Post, E. J.**; Phase, attenuation, and impedance characteristics of coaxial transmission lines with thin tubular conductors; *T-MTT* v11 n2 Mar 63 129-136
- Potok, M. H. N.**, see Bryant, G. H.; *T-MTT* v12 n4 Jul 64 469-470
- Potok, M. H. N.**, see Ladbroke, P. H.; *T-MTT* v21 n8 Aug 73 560-562 (2C06)
- Potok, M. H. N.**, see Ladbroke, P. H.; *T-MTT* v21 n8 Aug 73 570-571
- Potok, M. H. N.**, see Aitken, J. E.; *T-MTT* v23 n6 Jun 75 526-529 (1E12)
- Potok, M. H. N.**; Comments on 'Transmission-line transformation between arbitrary impedances' by Milligan, T. A.; *T-MTT* v25 n1 Jan 77 77
- Potukuchi, J. R.**, see Tischer, Frederick J.; *T-MTT* v22 n7 Jul 74 742-743 (1C08)
- Poulton, G.**, A. E. Karbowski, and C. C. H. Tang; On mode conversion in overmoded waveguide tapers (Corresp.); *T-MTT* v17 n5 May 69 288-289
- Pozar, David M.**; Resonant frequency and Q of an open-ended rectangular cavity; *T-MTT* v25 n7 Jul 77 589-593 (1B11)
- Prager, H. J.**, see D'Aiello, R. V. D.; *T-MTT* v12 n5 Sep 64 549-550
- Prager, H. John**, Kern K. N. Chang, and S. Weisbrod; Power amplification with anomalous avalanche diodes; *T-MTT* v18 n11 Nov 70 956-963
- Prasad, Sheila**, see King, Ronald W. P.; *T-MTT* v28 n6 Jun 80 586-596
- Pratesi, Riccardo**, and Laura Ronchi; Wave propagation in a nonparabolic graded-index medium; *T-MTT* v26 n11 Nov 78 856-858 (1A14)
- Pratt, Amasa**; Two types of waveguide switches; *T-MTT* v1 n2 Nov 53 30-32
- Predmore, C. Read**; Helical coupler from rectangular-to-circular waveguide; *T-MTT* v24 n11 Nov 76 847-852 (2F10)
- Predmore, C. Read**; Effects of randomization on periodic coupling; *T-MTT* v28 n7 Jul 80 722-725
- Preece, Geoffrey H.**, see Meredith, Ronald; *T-MTT* v11 n5 Sep 63 332-338
- Pregla, Reinhold**; Microwave filters of coupled lines and lumped capacitances (Corresp.); *T-MTT* v18 n5 May 70 278-280
- Pregla, Reinhold**, see Pintzos, Sotirios G.; *T-MTT* v26 n10 Oct 78 809-813 (2B01)
- Pregla, Reinhold**; Determination of conductor losses in planar waveguide structures (A comment to some published results for microstrips and microslots) (Ltr.); *T-MTT* v28 n4 Apr 80 433-434
- Premoli, Amedeo**; A new fast and accurate algorithm for the computation of microstrip capacitances; *T-MTT* v23 n8 Aug 75 642-648 (1C12)
- Presman, A. S.**; Electromagnetic Fields and Life; Plenum Press (New York, NY) 1970
- Review by Süsskind, Charles, *T-MTT* v19 n2 Feb 71 248
- Presser, A.**, E. Belohoubek, and H. Johnson; Hybrid integrated L -band transmitter (Corresp.); *T-MTT* v16 n7 Jul 68 482-483
- Presser, Adolph**; Interdigitated microstrip coupler design; *T-MTT* v26 n10 Oct 78 801-805 (2A07)
- Prewitt, James O.**, see Kajfež, Darko; *T-MTT* v21 n5 May 73 364 (1F06)
- Price, Edward L.**, see Witt, Howard R.; *T-MTT* v15 n4 Apr 67 232-239
- Price, Edward L.**, see Witt, Howard R.; *T-MTT* v15 n10 Oct 67 590
- Price, O. R.**, and M. Leichter; Scattering matrix for an n -port power-divider junction (Corresp.); *T-MTT* v8 n6 Nov 60 669
- Price, Vernon G.**; Measurement of harmonic power generated by microwave transmitters; *T-MTT* v7 n1 Jan 59 116-120
- Primich, Robin I.**; A semi-infinite array of parallel metallic plates of finite thickness for microwave systems; *T-MTT* v4 n3 Jul 56 156-166
- Primich, Robin I.**, and Richard A. Hayami; The application of the focussed Fabry-Perot resonator to plasma diagnostics; *T-MTT* v12 n1 Jan 64 33-42
- Priou, A.**, see Song Lint, B. Chan; *T-MTT* v24 n11 Nov 76 883-886 (3C03)
- Priou, A. C.**, see Duputz, A. M.; *T-MTT* v22 n6 Jun 74 601-613 (1B01)
- Priou, Alain C.**, see Fournet-Fayas, Cristian; *T-MTT* v26 n5 May 78 360-363 (1C14)
- Pritchard, W. L.**; Long-line effect and pulsed magnetrons; *T-MTT* v4 n2 Apr 56 97-110
- Pritchard, W. L.**; Microwave Prize; *T-MTT* v6 n4 Oct 58 343
- Pritchard, Wilbur L.**; Notes on a crystal mill performance; *T-MTT* v3 n1 Jan 55 37-39
- Pritchard, Wilbur L.**, see Mullen, James A.; *T-MTT* v5 n2 Apr 57 127-130
- Pritchard, Wilbur L.**; Education and science in a mature society; *T-MTT* v7 n1 Jan 59 3-4
- Prokhorov, A. S.**, see Rudashevsky, E. G.; *T-MTT* v22 n12 Dec 74 1064-1069 (1G02)
- Protonotarios, Emmanuel N.**, and Omar Wing; Analysis and intrinsic properties of the general nonuniform transmission line; *T-MTT* v15 n3 Mar 67 142-150
- Proud, J. M.**, see Fitzgerald, D. J.; *T-MTT* v22 n4 Apr 74 471-473 (2E05)
- Proud, Joseph M.**, and Scott L. Norman; High-frequency waveform generation using optoelectronic switching in silicon; *T-MTT* v26 n3 Mar 78 137-140 (1A03)
- Providakes, G. J.**, A. Nation, and M. E. Read; Microwave generation using sheet relativistic electron beams; *T-MTT* v25 n6 Jun 77 563-566 (2C08)
- Pucci, F.**, see de Santis, Pietro; *T-MTT* v23 n6 Jun 75 516-519 (1E02)
- Pucci, Fioravante**, see de Santis, Pietro; *T-MTT* v24 n1 Jan 76 10-18 (1A12)
- Pucel, R. A.**; Measurement of the conversion conductances of Esaki mixer diodes (Corresp.); *T-MTT* v9 n6 Nov 61 567-568
- Pucel, Robert A.**, Daniel J. Massé, and Curtis P. Hartwig; Losses in microstrip; *T-MTT* v16 n6 Jun 68 342-350. Correction, Dec 68 1064
- Pucel, Robert A.**, see Haus, Hermann A.; *T-MTT* v19 n10 Oct 71 801-813 (1B11)
- Pucel, Robert A.**, and Daniel J. Massé; Microstrip propagation on magnetic substrates—Part I: Design theory; *T-MTT* v20 n5 May 72 304-308 (1B11)
- Pucel, Robert A.**, see Massé, Daniel J.; *T-MTT* v20 n5 May 72 309-313 (1C04)
- Pucel, Robert A.**, Daniel Massé, and Richard Bera; Performance of GaAs MESFET mixers at X band; *T-MTT* v24 n6 Jun 76 351-360 (1F07)
- Pulfer, J. K.**; Application of a backward-wave amplifier to microwave autodyne reception; *T-MTT* v7 n3 Jul 59 356-359
- Pulfer, J. K.**; Velocity sorting detection in backward wave autodyne reception (Corresp.); *T-MTT* v8 n4 Jul 60 463-464
- Puplett, E.**, see Martin, D. H.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Purcell, Jeffrey J.**, see Oxley, Christopher H.; *T-MTT* v27 n5 May 79 463-471 (2A04)
- Puttre, R. E.**; Comments on 'A technique for measuring individual modes propagating in overmoded waveguide'; *T-MTT* v15 n2 Feb 67 133-134
- Pyle, J. R.**; Broad-band coaxial-to-stripline transitions (Corresp.); *T-MTT* v12 n3 May 64 364-365
- Pyle, J. R.**, see Green, H. E.; *T-MTT* v13 n1 Jan 65 135-137
- Pyle, John R.**, and R. J. Angley; Cutoff wavelengths of waveguides with unusual cross sections (Corresp.); *T-MTT* v12 n5 Sep 64 556-557
- Pyle, John R.**; Circular polarizers of fixed bandwidth (Corresp.); *T-MTT* v12 n5 Sep 64 557-559
- Pyle, John R.**; Design curves for interdigital band-pass filters (Corresp.); *T-MTT* v12 n5 Sep 64 559-567
- Pyle, John R.**; The cutoff wavelength of the TE_{10} mode in ridged rectangular waveguide of any aspect ratio; *T-MTT* v14 n4 Apr 66 175-183
- Pynn, R. D.**; Microwave site selection in undeveloped country; *T-MTT* v2 n1 Apr 54 9-15

Q

- Quine, John P.**; E - and H -plane bends for high-power oversized rectangular waveguide; *T-MTT* v13 n1 Jan 65 54-63
- Quine, John P.**; On the use of finite-length metal septa for suppression of higher order modes (Corresp.); *T-MTT* v16 n10 Oct 68 879-880
- Quine, John P.**, C. Younger, L. Tonks, and E. H. Holt; A spark-gap switch for oversize rectangular waveguides (Corresp.); *T-MTT* v16 n11 Nov 68 952-955
- Quine, John P.**; A generalized locking equation for oscillators; *T-MTT* v20 n6 Jun 72 418-420
- Quine, John P.**; Circuit behavior and impedance characteristics of broad-band TRAPATT-mode amplifiers; *T-MTT* v27 n1 Jan 79 23-31 (1B11)

R

- Raabe, H. P.**; A rotary joint for two microwave transmission channels of the same frequency band; *T-MTT* v3 n4 Jul 55 30-41
- Raabe, Herbert P.**; A rotary joint for two microwave transmission channels of the same frequency band (Abstr.); *T-MTT* v1 n1 Mar 53 48
- Rabinowitz, James R.**; Possible mechanisms for the biomolecular absorption of microwave radiation with functional implications (Short p.); *T-MTT* v21 n12 Dec 73 850-851 (3C05)
- Rabinowitz, S. J.**; Stabilization of reflex klystrons by high- Q external cavities; *T-MTT* v2 n3 Sep 54 23-26
- Rabson, T. A.**, see Crowley, J. D.; *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Raff, Samuel J.**, see Garver, Robert V.; *T-MTT* v20 n1 Jan 72 61-69 (2B08)
- Raff, Samuel J.**, see Garver, Robert V.; *T-MTT* v20 n1 Jan 72 61-69 (1F06)
- Rahman, M. H.**, and M. W. Gunn; Wave reflections from rotary-vane attenuators (Corresp.); *T-MTT* v17 n7 Jul 69 402-403
- Rahman, S. A.**, and M. W. Gunn; Propagation of electromagnetic waves in rectangular guide filled with a semiconductor in the presence of a transverse magnetic field (Corresp.); *T-MTT* v17 n5 May 69 279-281
- Rahmat-Samii, Y.**; On the question of computation of the dyadic Green's function at the source region in waveguides and cavities (Short p.); *T-MTT* v23 n9 Sep 75 762-765. Correction, Jan 78 44 (1D02)
- Rahmat-Samii, Yahya**, Tatsuo Itoh, and Raj Mittra; A spectral domain analysis for solving microstrip discontinuity problems; *T-MTT* v22 n4 Apr 74 372-378 (1B08)
- Rajalah, K.**, see Seshadri, T. K.; *T-MTT* v28 n4 Apr 80 376-380
- Raker, H. D.**, and G. R. Valenzuela; A double-prism attenuator for millimeter waves (Corresp.); *T-MTT* v10 n5 Sep 62 392-393
- Rákosi, F.**, see Bercei, Tibor; *T-MTT* v23 n4 Apr 75 341-348 (1B05)
- Ramachandraith, Munikoti S.**, see Decreton, Marc C.; *T-MTT* v23 n12 Dec 75 1077-1080 (2C14)
- Rama Rao, B.**; Effect of loss and frequency dispersion on the performance of microstrip directional couplers and coupled line filters (Short p.); *T-MTT* v22 n7 Jul 74 747-750 (1C13)
- Ramaswamy, V.**, see Brodwin, Morris E.; *T-MTT* v11 n2 Mar 63 137-142
- Ramaswamy, V.**, see Korpel, Adrianus; *T-MTT* v13 n1 Jan 65 96-106
- Rambo, S. Ivan**, and Melvin G. Gray; Phase equalization problems in a phased-array transmitter; *T-MTT* v13 n2 Mar 65 167-171
- Ramey, Robert L.**, Hugh S. Landes, and Eugene A. Manus; Microwave properties of thin films with apertures; *T-MTT* v18 n4 Apr 70 196-204
- Ramy, Jean-Pierre**, Marie-Thérèse Cotte, Jean Pierre Bolloch, Raymond Schnitzler, Jean-Jérôme Guena, and Claude Thebault; Optimization of the thick- and thin-film technologies for microwave circuits on alumina and fused silica substrates; *T-MTT* v26 n10 Oct 78 814-820 (2B06)
- Rao, J. S.**, and B. N. Das; Analysis of asymmetric stripline by conformal mapping; *T-MTT* v27 n4 Apr 79 299-303 (1A09)
- Rao, R. A.**, see Singh, A.; *T-MTT* v9 n1 Jan 61 101-102
- Rao, S. N.**, see Borgaonkar, S. R.; *T-MTT* v27 n7 Jul 79 688-690 (1E06)
- Rao, S. N.**, see Borgaonkar, S. R.; *T-MTT* v28 n7 Jul 80 809
- Rao, V. Venkateswara**, see Narasimhan, M. S.; *T-MTT* v22 n11 Nov 74 973 (1E07)
- Rapaport, Harold**; A microwave ferrite frequency separator; *T-MTT* v6 n1 Jan 58 53-58
- Rashid, A. F.**; A possible method of generating submillimeter wave (Corresp.); *T-MTT* v12 n3 May 64 384
- Rast, Gustaf J., Jr.**, see Ashley, J. Robert; *T-MTT* v25 n4 Apr 77 294-318 (1D14)
- Rast, J.**, see Stettler, P.; *T-MTT* v22 n12 Dec 74 1119-1120 (2D02)
- Raue, George E.**, and Koryu Ishii; Regenerative and pull-in modes of millimeter-wave reflex klystron amplifier (Corresp.); *T-MTT* v12 n5 Sep 64 547
- Raue, J. E.**, see Piotrowski, W. S.; *T-MTT* v24 n11 Nov 76 863-866 (3A11)
- Raue, Jorg E.**, see Yuan, L. T.; *T-MTT* v24 n12 Dec 76 981-987 (2A10)
- Rauko, William W.**; Use of microelectronic technology in the design of a 3.7--

- 4.2-GHz portable microwave repeater; *T-MTT* v22 n12 Dec 74 1231-1239 (4C02)
- Rauscher, C., see Willing, Harry A.; *T-MTT* v26 n12 Dec 78 1017-1023 (2A01)
- Rauscher, Christen, and Harry A. Willing; Simulation of nonlinear microwave FET performance using a quasi-static model; *T-MTT* v27 n10 Oct 79 834-840 (1A12)
- Rauscher, Christen, and Harry A. Willing; Design of broad-band GaAs FET power amplifiers; *T-MTT* v28 n10 Oct 80 1054-1059
- Ravid-Weissberg, Efraim; On the efficiency of the excitation of surface waves by distributed coupling (Corresp.); *T-MTT* v9 n6 Nov 61 573-575
- Raz, Shalom, see Halevy, Shalom; *T-MTT* v26 n6 Jun 78 406-412 (1B14)
- Razaz, M., and J. Brian Davies; Capacitance of the abrupt transition from coaxial-to-circular waveguide; *T-MTT* v27 n6 Jun 79 564-569 (1A10)
- Read, Leslie W., see Houston, Theodore W.; *T-MTT* v17 n8 Aug 69 612-614
- Read, M. E., see Providakes, G.; *T-MTT* v25 n6 Jun 77 563-566 (2C08)
- Read, Michael E., see Chu, Kwo Ray; *T-MTT* v28 n4 Apr 80 318-325
- Read, Michael E., Ronald M. Gilgenbach, Robert F. Lucey Jr., Kwo Ray Chu, Adam T. Drobot, and Victor L. Granatstein; Spatial and temporal coherence of a 35-GHz gyrotron using the TE₀₁ circular mode; *T-MTT* v28 n8 Aug 80 875-878
- Read, Michael E., see Silverstein, Joseph Dov; *T-MTT* v28 n9 Sep 80 962-966
- Rebsch, D. L., D. C. Webb, R. A. Moore, and J. D. Cowlishaw; A mode chart for accurate design of cylindrical dielectric resonators (Corresp.); *T-MTT* v13 n4 Jul 65 468-469
- Rebsch, D. L.; Comparison of two low-loss semiconductor switches (Corresp.); *T-MTT* v13 n6 Nov 65 874-875
- Redheffer, Raymond; The dependence of reflection on incidence angle; *T-MTT* v7 n4 Oct 59 423-429
- Reed, J.; Precision design of direct coupled filters (Corresp.); *T-MTT* v15 n2 Feb 67 134-136
- Reed, John, and Gershon J. Wheeler; A method of analysis of symmetrical four-port networks; *T-MTT* v4 n4 Oct 56 246-252. Correction, Apr 57 162
- Reed, John; Comments on 'On symmetrical matching'; *T-MTT* v5 n2 Apr 57 165-167
- Reed, John; The multiple branch waveguide coupler; *T-MTT* v6 n4 Oct 58 398-403
- Reed, John; Discussion on optimum bead spacing (Corresp.); *T-MTT* v7 n4 Oct 59 477
- Reed, John; A note on loaded line synthesis (Corresp.); *T-MTT* v9 n2 Mar 61 201-202
- Reeder, T. M., see Sperry, W. R.; *T-MTT* v19 n12 Dec 71 945-947 (1F05)
- Reeder, Thomas M.; An equivalent circuit for the 'centipede' waveguide; *T-MTT* v14 n4 Apr 66 200-205
- Reeder, Thomas M., see Smith, W. Richard; *T-MTT* v17 n11 Nov 69 856-864
- Reeder, Thomas M., see Smith, W. Richard; *T-MTT* v17 n11 Nov 69 865-873
- Reeder, Thomas M., and Donald K. Winslow; Characteristics of microwave acoustic transducers for volume wave excitation; *T-MTT* v17 n11 Nov 69 927-941
- Reeder, Thomas M., see Smith, W. Richard; *T-MTT* v17 n11 Nov 69 1043-1044
- Reeder, Thomas M., see Larson, John D.; *T-MTT* v18 n9 Sep 70 602-608
- Reeder, Thomas M., and William R. Sperry; Broad-band coupling to high-Q resonant loads; *T-MTT* v20 n7 Jul 72 453-458 (1D07)
- Comments, *T-MTT* v28 n7 Jul 80 809
- Reeder, Thomas M.; Foreword—Special issue on microwave acoustic signal processing; *T-MTT* v21 n4 Apr 73 161 (1B03)
- Rees, J. R., see Barrington, A. E.; *T-MTT* v8 n6 Nov 60 597-604
- Reesor, G. E., see Muc, A. M.; *T-MTT* v18 n5 May 70 285-286
- Reesor, G. E., see Dagg, I. R.; *T-MTT* v18 n9 Sep 70 669
- Reeves, A., see Maher, B.; *T-MTT* v14 n1 Jan 66 42-43
- Reeves, J. M., see Harris, D. J.; *T-MTT* v26 n12 Dec 78 998-1001 (1F06)
- Reggia, F.; Amplitude and phase modulators in rectangular waveguides for 5 to 7 Gc/s (Corresp.); *T-MTT* v14 n3 Mar 66 154-157
- Reggia, Frank; K-band reciprocal ferrite phase modulator (Corresp.); *T-MTT* v9 n3 May 61 269-270
- Reggia, Frank; A new broad-band absorption modulator for rapid switching of microwave power; *T-MTT* v9 n4 Jul 61 343-349
- Regier, Robert D., see Obach, Chuka O. G.; *T-MTT* v23 n12 Dec 75 959-970. Correction, Mar 76 163 (1B07)
- Rehnmark, Stig; On the calibration process of automatic network analyzer systems (Short p.); *T-MTT* v22 n4 Apr 74 457-458 (2D05)
- Rehnmark, Stig; Wide-band balanced line microwave hybrids; *T-MTT* v25 n10 Oct 77 825-830 (1B07)
- Rehnmark, Stig; High-directivity CTL couplers and a new technique for the measurement of CTL-coupler parameters; *T-MTT* v25 n12 Dec 77 1116-1121 (2E06)
- Rehnmark, Stig; Meander-folded coupled lines; *T-MTT* v26 n4 Apr 78 225-231 (1A03)
- Reich, Robert J.; Microwave equipment for college laboratories (Corresp.); *T-MTT* v4 n3 Jul 56 187
- Reingold, I., see Carter, J. L.; *T-MTT* v9 n2 Mar 61 195-197
- Reiter, G., see Berceci, Tibor; *T-MTT* v23 n4 Apr 75 341-348 (1B05)
- Ren, Chung-Li; Network representation for lossless symmetrical discontinuities in a multimode waveguide; *T-MTT* v14 n2 Feb 66 80-85
- Ren, Chung-Li; On the analysis of general parallel coupled TEM structures including nonadjacent couplings; *T-MTT* v17 n5 May 69 242-249
- Ren, Chung-Li; Implementation of conservation-of-energy condition in small aperture and small obstacle theory (Short p.); *T-MTT* v20 n7 Jul 72 488-490 (2C05)
- Ren, Chung-Li; Design of a channel diplexer for millimeter-wave applications; *T-MTT* v20 n12 Dec 72 820-827 (1D07)
- Ren, Chung-Li, and Han-Chiu Wang; A class of waveguide filters for over-moded applications; *T-MTT* v22 n12 Dec 74 1202-1209. Correction, Jun 75 537 (4A01)
- Rengarajan, Sembiam R., and J. E. Lewis; Mathieu functions of integral orders and real arguments (Computer program descr.); *T-MTT* v28 n3 Mar 80 276-277
- Rengarajan, Sembiam R., and J. E. Lewis; Dielectric loaded elliptical waveguides; *T-MTT* v28 n10 Oct 80 1085-1089
- Rengarajan, Sembiam R., and J. E. Lewis; The elliptical surface wave transmission line; *T-MTT* v28 n10 Oct 80 1089-1095
- Renk, K. F., see Ulrich, R.; *T-MTT* v11 n5 Sep 63 363-371
- Reuss, Max L., Jr.; A nonreciprocal circular polarizer; *T-MTT* v15 n1 Jan 67 37-41. Addendum, Feb 68 136
- Reynolds, Donald K., see Molberg, James R.; *T-MTT* v17 n8 Aug 69 460-464
- Reynolds, James F., Bertrand E. Berson, and Ronald E. Enstrom; Microwave circuits for high-efficiency operation of transferred electron oscillators; *T-MTT* v18 n11 Nov 70 827-834
- Rhodes, H. A.; Transco microwave system; *T-MTT* v2 n1 Apr 54 89-92
- Rhodes, J. D.; The half-wave stepped digital elliptic filter; *T-MTT* v17 n12 Dec 69 1102-1107
- Rhodes, J. David, see Scanlan, Sean O.; *T-MTT* v16 n2 Feb 68 62-72
- Rhodes, J. David, see Scanlan, Sean O.; *T-MTT* v16 n2 Feb 68 72-79
- Rhodes, J. David; Waveguide bandstop elliptic function filters; *T-MTT* v20 n11 Nov 72 715-718 (1B03)
- Rhodes, J. David; Waveguide sandwich filters; *T-MTT* v22 n4 Apr 74 394-399 (1D02)
- Rhodes, J. David; Explicit design formulas for waveguide single-sided filters; *T-MTT* v23 n8 Aug 75 681-689 (1F09)
- Rhodes, J. David, see Haine, John L.; *T-MTT* v25 n10 Oct 77 807-813 (1A03)
- Rhodes, J. David, and Ralph Levy; A generalized multiplexer theory; *T-MTT* v27 n2 Feb 79 99-111 (1A09)
- Rhodes, J. David, and Ralph Levy; Design of general manifold multiplexers; *T-MTT* v27 n2 Feb 79 111-123 (1B07)
- Rhodes, John David; The stepped digital elliptic filter; *T-MTT* v17 n4 Apr 69 178-184
- Rhodes, John David; The design and synthesis of a class of microwave bandpass linear phase filters; *T-MTT* v17 n4 Apr 69 189-204
- Rhodes, John David; A low-pass prototype network for microwave linear phase filters; *T-MTT* v18 n6 Jun 70 290-301
- Rhodes, John David; The generalized interdigital linear phase filter; *T-MTT* v18 n6 Jun 70 301-307
- Rhodes, John David; The generalized direct-coupled cavity linear phase filter; *T-MTT* v18 n6 Jun 70 308-313
- Rhodes, John David, see Levy, Ralph; *T-MTT* v19 n1 Jan 71 26-29 (1D04)
- Rhodes, John David, and M. Zawawi Ismail; In-line waveguide selective linear phase filters; *T-MTT* v22 n1 Jan 74 1-5 (1A03)
- Rhodes, John David, and Saad A. Alsayab; A design procedure for bandpass channel multiplexers connected at a common junction; *T-MTT* v28 n3 Mar 80 246-253
- Rhodes, John David, and Richard J. Cameron; General extracted pole synthesis technique with application to low-loss TE₀₁ mode filters; *T-MTT* v28 n9 Sep 80 1018-1028
- Riblet, Gordon P.; The phase shift through symmetrical 3-port circulators (Short p.); *T-MTT* v23 n5 May 75 446-449 (1D06)
- Riblet, Gordon P., see Helszajn, Joseph; *T-MTT* v23 n11 Nov 75 926-927 (1F06)
- Riblet, Gordon P.; The measurement of the equivalent admittance of 3-port circulators via an automated measurement system (Short p.); *T-MTT* v23 n5 May 77 401-405 (1E05)
- Riblet, Gordon P.; A directional coupler with very flat coupling; *T-MTT* v26 n2 Feb 78 70-74. Correction, Sep 78 691 (1B10)
- Riblet, Gordon P.; An eigenadmittance condition applicable to symmetrical four-port circulators and hybrids; *T-MTT* v26 n4 Apr 78 275-279 (1D11)
- Riblet, Gordon P.; Techniques for broad-banding above resonance circulator junctions without the use of external matching networks; *T-MTT* v28 n2 Feb 80 125-129
- Riblet, H. J., and R. L. Williston; X-band rotary joint; *T-MTT* v1 n1 Mar 53 23-24
- Riblet, H. J., see Levy, R.; *T-MTT* v16 n8 Aug 68 567-568
- Riblet, H. J.; Comment on 'Synthesis of symmetrical branch-guide directional couplers'; *T-MTT* v18 n1 Jan 70 47-48
- Riblet, Henry J.; General synthesis of quarter-wave impedance transformers; *T-MTT* v5 n1 Jan 57 36-43
- Comments, *T-MTT* v6 n3 Jul 58 331-332
- Comments, *T-MTT* v7 n4 Oct 59 477-478
- Riblet, Henry J.; A unified discussion of high-Q waveguide filter design theory; *T-MTT* v6 n4 Oct 58 359-368
- Riblet, Henry J.; Comments on Ozaki's comments (Corresp.); *T-MTT* v7 n2 Apr 59 297-298
- Riblet, Henry J.; Pure or applied?; *T-MTT* v7 n3 Jul 59 306-307
- Riblet, Henry J.; A general theorem on an optimum stepped impedance transformer; *T-MTT* v8 n2 Mar 60 169-170
- Riblet, Henry J.; The coupling coefficients of an unsymmetrical high-Q lossy waveguide resonator; *T-MTT* v11 n1 Jan 63 78-83
- Riblet, Henry J.; The application of a new class of equal-ripple functions to some familiar transmission-line problems; *T-MTT* v12 n4 Jul 64 415-421
- Riblet, Henry J.; A general design procedure for quarter-wavelength inhomogeneous impedance transformers having approximately equal-ripple performance; *T-MTT* v13 n5 Sep 65 622-629
- Riblet, Henry J.; An explicit derivation of the relationships between the parameters of an interdigital structure and the equivalent transmission-line cascade; *T-MTT* v15 n3 Mar 67 161-166. Correction, Jan 68 55
- Riblet, Henry J.; A class of equiripple functions which complement the Achieser (or Zolotarev) polynomials (Corresp.); *T-MTT* v19 n11 Nov 71 891-892 (1F03)
- Riblet, Henry J.; The exact dimensions of a family of rectangular coaxial lines with given impedance; *T-MTT* v20 n8 Aug 72 538-541. Addendum, Apr 74 473-474 (1D12)
- Riblet, Henry J.; The limiting value of the interaction between symmetrical fringing capacitances (Short p.); *T-MTT* v21 n10 Oct 73 644-647 (1E10)
- Riblet, Henry J.; The determination of an excess capacitance (Short p.); *T-MTT* v22 n4 Apr 74 467 (2E01)
- Riblet, Henry J.; A lower limit on the interaction between symmetrical odd-mode fringing capacitances (Ltr.); *T-MTT* v23 n3 Mar 75 322-323 (1D14)
- Riblet, Henry J.; An accurate determination of the characteristic impedance of the coaxial system consisting of a square concentric with a circle (Ltr.); *T-MTT* v23 n8 Aug 75 714-715 (2B04)
- Riblet, Henry J.; A transformer cascade, optimally matched to a conductance shunted by a stub, exhibiting reflection coefficient zeros (Ltr.); *T-MTT* v24 n1 Jan 76 65-66 (1E11)
- Riblet, Henry J.; Asymmetric odd-mode fringing capacitances (Ltr.); *T-MTT* v24 n3 Mar 76 157-159 (1C03)
- Riblet, Henry J.; Asymmetric even-mode fringing capacitance (Short p.); *T-MTT* v25 n5 May 77 410-412 (1E14)
- Riblet, Henry J.; An alternate derivation of Lewin's formula (Ltr.); *T-MTT* v25 n8 Aug 77 711-712 (1F13)
- Riblet, Henry J.; A calculation of the conformal mapping parameters used in evaluating the approximate fringing capacitances; *T-MTT* v27 n2 Feb 79 148-150 (1E02)
- Riblet, Henry J.; The characteristic impedance of a family of rectangular coaxial

- structures with off-centered strip inner conductors; *T-MTT* v27 n4 Apr 79 294-298 (1A04)
- Riblet, Henry J.**; An approximation for the characteristic impedance of shielded-slab line; *T-MTT* v27 n6 Jun 79 557-559 (1A03)
- Riblet, Henry J.**; An expansion for the fringing capacitance (Short p.); *T-MTT* v28 n3 Mar 80 265-267
- Riblet, Henry J.**; Upper limits on the error of an improved approximation for the characteristic impedance of rectangular coaxial line (Short p.); *T-MTT* v28 n6 Jun 80 666-667
- Ricardi, L. J.**; The insertion loss of transmission lines used in matching networks (Corresp.); *T-MTT* v16 n3 Mar 68 189-191
- Ricardi, Leon J.**; A diplexer using hybrid junctions; *T-MTT* v14 n8 Aug 66 364-371
- Richards, David J.**, and Alvin Wexler; Finite-element solutions within curved boundaries; *T-MTT* v20 n10 Oct 72 650-657 (1C06)
- Richards, P. L.**, see Taur, Yuan; *T-MTT* v22 n12 Dec 74 1005-1009 (1B13)
- Richards, P. L.**, see Mather, John C.; *T-MTT* v22 n12 Dec 74 1046-1048 (1E12)
- Richards, P. L.**, see Clarke, J.; *T-MTT* v22 n12 Dec 74 1118-1119 (2D01)
- Richardson, J. K.**; An approximate formula for calculating Z_0 of a symmetric strip line (Corresp.); *T-MTT* v15 n2 Feb 67 130-131
- Richardson, J. K.**; Gap spacing for narrow-bandwidth end-coupled symmetric stripline filters (Corresp.); *T-MTT* v16 n8 Aug 68 559-560
- Richardson, John M.**, and Russell B. Riley; Performance of three-millimeter harmonic generators and crystal detectors; *T-MTT* v5 n2 Apr 57 131-135
- Richardson, John M.**, and John J. Faris; Excess noise in microwave crystal diodes used as rectifiers and harmonic generators; *T-MTT* v5 n3 Jul 57 208-212
- Richardson, John M.**, see Faris, John J.; *T-MTT* v9 n4 Jul 61 312-314
- Richardson, John M.**; Standards and the microwave profession (Edt.); *T-MTT* v10 n6 Nov 62 412-415
- Richings, J. G.**, and Brian Easter; Measured odd- and even-mode dispersion of coupled microstrip lines (Short p.); *T-MTT* v23 n10 Oct 75 826-828 (1D06)
- Richmond, J. H.**; Measurement of time-quadrature components of microwave signals; *T-MTT* v3 n3 Apr 55 13-15
- Richmond, J. H.**, and T. E. Tice; Probes for microwave near-field measurements; *T-MTT* v3 n3 Apr 55 32-34
- Richmond, J. H.**; Simplified calculation of antenna patterns, with application to radome problems; *T-MTT* v3 n4 Jul 55 9-12
- Richmond, J. H.**; A modulated scattering technique for measurement of field distributions; *T-MTT* v3 n4 Jul 55 13-15
- Richmond, J. H.**; Surface waves on symmetrical three-layer sandwiches (Corresp.); *T-MTT* v8 n5 Sep 60 572
- Richmond, J. H.**; Propagation of surface waves on an inhomogeneous plane layer; *T-MTT* v10 n6 Nov 62 554-558
- Richmond, Jack H.**; Scattering by an arbitrary array of parallel wires; *T-MTT* v13 n4 Jul 65 408-412
- Richter, Kurt R.**; Measurement of short time changes of cavity Q and resonant frequency; *T-MTT* v17 n6 Jun 69 339-344. Addendum, Apr 70 229
- Richter, Stephen**; Comment on 'Cylindrical waveguides containing inhomogeneous dielectric'; *T-MTT* v15 n8 Jun 67 488-489
- Rickard, David C.**, see Judd, Stewart V.; *T-MTT* v18 n2 Feb 70 78-87
- Ridella, S.**, see Bianco, B.; *T-MTT* v28 n2 Feb 80 152
- Ridella, Sandro**, see Bianco, Bruno; *T-MTT* v20 n5 May 72 297-303 (1B03)
- Ridella, Sandro**, see Bianco, Bruno; *T-MTT* v26 n3 Mar 78 182-185 (1D06)
- Ridings, Richard V.**, see Bell, DeLamar T., Jr.; *T-MTT* v21 n4 Apr 73 263-271 (2E12)
- Rietto, Giovanni**, see Bava, Elio; *T-MTT* v27 n2 Feb 79 141-147 (1D09)
- Rietto, Giovanni**, see Bava, Elio; *T-MTT* v27 n8 Aug 79 753-757 (1C11)
- Riley, Russell B.**, see Richardson, John M.; *T-MTT* v5 n2 Apr 57 131-135
- Ring, Douglas H.**, see Marcatili, Enrique A. J.; *T-MTT* v10 n4 Jul 62 251-257
- Ringebach, Maurice E.**, see Cooper, H. Warren; *T-MTT* v3 n2 Mar 55 87-92
- Risch, Craig O.**, J. P. Singh, Fred J. Rosenbaum, and R. O. Gregory; A low-cost multiple-channel 12-GHz receiver for satellite television broadcasting; *T-MTT* v23 n4 Apr 75 348-353 (1B12)
- Risley, Edward W., Jr.**; Discontinuity capacitance of a coaxial line terminated in a circular waveguide; *T-MTT* v17 n2 Feb 69 86-92
- Risley, Edward W., Jr.**; Discontinuity capacitance of a coaxial line terminated in a circular waveguide—Part II: Lower bound solution (Short p.); *T-MTT* v21 n8 Aug 73 564-566 (2C10)
- Ristic, Velimir M.**, and Thomas P. Sorensen; Generation of microwave power with a spark-gap cavity; *T-MTT* v26 n5 May 78 369-374 (1D09)
- Ristic, Velimir M.**, and Ali M. Hussein; Surface charge and field distribution in a finite SAW transducer; *T-MTT* v27 n11 Nov 79 897-901 (1B13)
- Rivers, Robert A.**; President's message: The microwave spectrum—Our resonance for the future; *T-MTT* v22 n12 Dec 74 1123 (3A05)
- Rivier, E.**; Theoretical expressions of lumped parameters in a spheroidal cavity (Corresp.); *T-MTT* v17 n9 Sep 69 720
- Rivier, E.**, see Daumas, R.; *T-MTT* v21 n8 Aug 73 552-556 (2B10)
- Rivier, Edouard**, and Mylene Verge-Lapisardi; Lumped parameters of a reentering cylindrical cavity; *T-MTT* v19 n3 Mar 71 309-314 (1F05)
- Rivier, Edouard**, see Pompei, Dominique; *T-MTT* v26 n4 Apr 78 231-238 (1A09)
- Rivier, Edouard**, see Ros, Alain; *T-MTT* v23 n8 Aug 75 703-706 (2A07)
- Rix, Fred**, see Armstrong, B. Mervyn; *T-MTT* v28 n12 Dec 80 1437-1442
- Rizk, M. R. M.**, see Bandler, John W.; *T-MTT* v26 n12 Dec 78 963-972 (1C13)
- Rizk, M. R. M.**, see Bandler, John W.; *T-MTT* v28 n8 Aug 80 935-938
- Rizk, Mohamed R. M.**, see Bandler, John W.; *T-MTT* v24 n4 Apr 76 188-194. Correction, May 77 445 (1B12)
- Rizzi, P. A.**; Microwave filters utilizing the cutoff effect; *T-MTT* v4 n1 Jan 56 36-40
- Rizzi, Peter A.**; A low VSWR matching technique (Corresp.); *T-MTT* v4 n3 Jul 56 184-186
- Comments, *T-MTT* v5 n2 Apr 57 163
- Rizzi, Peter A.**; High-power ferrite circulators; *T-MTT* v5 n4 Oct 57 230-237
- Rizzoli, Vittorio**; A unified variational solution to microstrip array problems; *T-MTT* v23 n2 Feb 75 223-234 (1C13)
- Rizzoli, Vittorio**; Resonance measurement of single- and coupled-microstrip propagation constants; *T-MTT* v25 n2 Feb 77 113-120 (1C05)
- Rizzoli, Vittorio**, and Alessandro Lipparini; The design of interdigitated couplers for MIC applications; *T-MTT* v26 n1 Jan 78 7-15 (1A09)
- Rizzoli, Vittorio**, see Bernardi, Paolo; *T-MTT* v26 n3 Mar 78 203-209 (1E13)
- Rizzoli, Vittorio**; Highly efficient calculation of shielded microstrip structures in the presence of undercutting; *T-MTT* v27 n2 Feb 79 150-157 (1E04)
- Rizzoli, Vittorio**, see Marazzi, Ernesto; *T-MTT* v28 n7 Jul 80 767-773
- Roberts, Charles S.**, see Longaker, Perry R.; *T-MTT* v11 n6 Nov 63 543-546
- Roberts, D. A. E.**; Measurements of varactor diode impedance (Corresp.); *T-MTT* v12 n4 Jul 64 471-475
- Roberts, Ernest B.**, see Mukaihata, Tadao; *T-MTT* v10 n6 Nov 62 506-516
- Roberts, Larry K.**, see Eisenhart, Robert L.; *T-MTT* v26 n3 Mar 78 172-174 (1C10)
- Roberts, Lester A.**, see Finnila, Charles A.; *T-MTT* v8 n2 Mar 60 143-147
- Robertson, Ralston S.**, see Eisenhart, Robert L.; *T-MTT* v26 n3 Mar 78 172-174 (1C10)
- Robertson, S. D.**; An experimental broad-band helix traveling-wave amplifier for millimeter wavelengths; *T-MTT* v2 n3 Sep 54 48-54
- Robertson, Sloan D.**; The ultra-bandwidth finline coupler; *T-MTT* v3 n6 Dec 55 45-48
- Robertson, Sloan D.**; Recent advances in finline circuits; *T-MTT* v4 n4 Oct 56 263-267
- Robertson, W. J.**, and J. R. Copeland; A proposed lossless electronic phase shifter (Corresp.); *T-MTT* v10 n5 Sep 62 394
- Robinson, Gerald H.**, and James L. Allen; Slot line application to miniature ferrite devices; *T-MTT* v17 n12 Dec 69 1097-1101
- Robinson, Gerald H.**, see Harrison, Gordon R.; *T-MTT* v19 n7 Jul 71 577-588 (1B11)
- Robinson, Gerald H.**; Resonant frequency calculations for microstrip cavities (Corresp.); *T-MTT* v19 n7 Jul 71 665-666 (2E08)
- Robinson, J. E.**, and M. A. Hamid; Mode propagation in multilayered dielectric loaded waveguides by ray theory (Corresp.); *T-MTT* v16 n4 Apr 68 261
- Robinson, J. Eugene**, Augustine Y. Cheung, George M. Samaras, and Duncan McCulloch; Techniques for uniform and replicable microwave hyperthermia of a model mouse carcinoma; *T-MTT* v26 n8 Aug 78 546-549 (1C04)
- Robinson, Kenneth W.**; Radio-frequency system of the Cambridge Electron Accelerator; *T-MTT* v8 n6 Nov 60 593-596
- Robinson, L. C.**, see Tait, G. D.; *T-MTT* v22 n12 Dec 74 1109-1111 (2C06)
- Robinson, Lloyd A.**, W. B. Weir, and Leo Young; An RF time-domain reflectometer not in real time (Short p.); *T-MTT* v20 n2 Aug 72 855-857 (2B09)
- Robinson, Norman O.**, see Stutch, Malcolm L.; *T-MTT* v8 n2 Mar 60 218-221
- Robinson, S. J.**; Broad-band hybrid junctions (Corresp.); *T-MTT* v8 n6 Nov 60 671-672
- Robinson, Samuel A.**, see Vendelin, George D.; *T-MTT* v14 n12 Dec 66 603-608
- Robinson, Stephen J.**; Comment on 'Broadband microwave discriminator'; *T-MTT* v12 n2 Mar 64 255-256
- Robson, E. I.**, J. E. Beckman, P. E. Clegg, D. G. Vickers, and J. S. Huizinga; A cooled interferometric modulator to measure the cosmic background spectrum (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Roche, M.**, see Buzzi, J. M.; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- Rochelle, J. M.**; Approximations for the symmetrical parallel-strip transmission line (Ltr.); *T-MTT* v23 n8 Aug 75 712-714 (2B02)
- Comments by Crampagne, R., and Khoo, G., Aug 76 532-534
- Rode, D. L.**; Concentric spherical resonator eigenfrequencies (Corresp.); *T-MTT* v16 n6 Jun 68 369-372
- Rodgers, J. D.**, see Dozier, J. W.; *T-MTT* v12 n3 May 64 360. Correction, Sep 64 572
- Rodrigue, G. P.**, John E. Pippin, Werner P. Wolf, and C. Lester Hogan; Ferrimagnetic resonance in some polycrystalline rare earth garnets; *T-MTT* v6 n1 Jan 58 83-91
- Rodrigue, G. P.**; Magnetic materials for millimeter wave applications; *T-MTT* v11 n5 Sep 63 351-356
- Rodrigue, G. P.**, see Wharton, R. P.; *T-MTT* v20 n8 Aug 72 552-555 (2B07)
- Rodrigue, G. P.**, see Gordy, R. S.; *T-MTT* v22 n8 Aug 74 799-801 (1D03)
- Rodrigue, G. P.**, and Gordon R. Harrison; The 1974 International Microwave Symposium; *T-MTT* v22 n12 Dec 74 1123-1127 (3A05)
- Rodrigue, G. P.**; President's message—A quarter century of progress; *T-MTT* v24 n12 Dec 76 902-904 (1A04)
- Rodrigue, G. P.**; 1976 MTT awards; *T-MTT* v25 n12 Dec 77 970-972 (1A08)
- Rodrigue, G. P.**; 1977 MTT awards; *T-MTT* v26 n12 Dec 78 932-934 (1A10)
- Rodrigue, G. P.**; 1978 MTT awards; *T-MTT* v27 n12 Dec 79 936-937 (1A12)
- Rodrigue, George P.**, James L. Allen, Louis J. Lavedan, and Donald R. Taft; Operating dynamics and performance limitations of ferrite digital phase shifters; *T-MTT* v15 n12 Dec 67 709-713
- Rodriguez, M. J.**, and D. Weissman; A microwave power limiter (Corresp.); *T-MTT* v10 n3 May 62 219-220
- Rodriguez-Vidal, M.**, E. Martin, and M. Sancho; Microwave permittivity measurement using a multipoint technique (Short p.); *T-MTT* v22 n5 May 74 542-544 (2A01)
- Roe, James M.**, and Fred J. Rosenbaum; Characterization of packaged microwave diodes in reduced-height waveguide; *T-MTT* v18 n9 Sep 70 638-642
- Roe, James M.**; Varactor Q measurement (Corresp.); *T-MTT* v19 n8 Aug 71 728-729 (2B01)
- Comments by Sard, E. W., Jun 72 420-421
- Roe, Keith C.**, see Hoer, Cletus A.; *T-MTT* v23 n12 Dec 75 978-984 (1C12)
- Rogai, Sergio**, see Falciaesca, Gabriele; *T-MTT* v25 n11 Nov 77 911-915 (1D05)
- Rogal, B.**, see Cullen, Alexander L.; *T-MTT* v6 n2 Aug 58 133-136
- Rogers, Robert G.**; A dual mode tuning circuit for microwave transistor oscillators; *T-MTT* v25 n2 Feb 77 120-127 (1C12)
- Rolland, Paul-Alain**, J. L. Vaterkowski, Eugene Constant, and Georges Salmer; New modes of operation for avalanche diodes frequency multiplication and upconversion; *T-MTT* v24 n11 Nov 76 768-775 (2A01)
- Ronchi, L.**, see Bisio, G. R.; *T-MTT* v19 n5 May 71 490-491 (2C04)
- Ronchi, L.**, see Consortini, A.; *T-MTT* v23 n7 Jul 75 593-595 (1D13)
- Ronchi, Laura**, see Pratesi, Riccardo; *T-MTT* v26 n11 Nov 78 856-858 (1A14)
- Roome, Gerard T.**, and Hugh A. Hair; Thin ferrite devices for microwave integrated circuits; *T-MTT* v16 n7 Jul 68 411-420
- Ros, A.**, see Daumas, R.; *T-MTT* v21 n8 Aug 73 552-556 (2B10)
- Ros, Alain**, Robert Daumas, Dominique Pompei, and Edouard Rivier; Variation of the electrical characteristics of an inhomogeneous microstrip line with the dielectric constant of the substrate and with the geometrical dimensions (Short p.); *T-MTT* v23 n8 Aug 75 703-706 (2A07)
- Ros, Alain E.**; Design charts for inhomogeneous coupled microstrip lines; *T-MTT* v26 n6 Jun 78 394-400 (1B02)
- Rosado, John A.**, see Garver, Robert V.; *T-MTT* v8 n1 Jan 60 104-107
- Rosado, John A.**, see Garver, Robert V.; *T-MTT* v8 n1 Jan 60 108-111
- Rosado, John A.**, see Garver, Robert V.; *T-MTT* v10 n5 Sep 62 302-310
- Rosatelli, Carlo**, see Cicconi, Gabriele; *T-MTT* v25 n11 Nov 77 885-892 (1B07)
- Röschmann, Peter**; Compact YIG bandpass filter with finite-pole frequencies for applications in microwave integrated circuits (Short p.); *T-MTT* v21 n1 Jan 73 52-57 (2B05)
- Rose, B. E.**, see Lange, J. H., Jr.; *T-MTT* v17 n10 Oct 69 789-790
- Rosen, A.**, see Belohoubek, E. F.; *T-MTT* v17 n5 May 69 286-288
- Rosen, A.**, and J. Assour; Silicon avalanche-diode microstrip L-band oscillator (Corresp.); *T-MTT* v18 n11 Nov 70 979-981

- Rosen, A., Hirohisa Kawamoto, Jerome B. Klatskin, and E. L. Allen Jr.; Integrated TRAPATT diode arrays (Short p.); *T-MTT* v23 n10 Oct 75 841-843 (1E07)
- Rosen, Jerome, see Seidel, H.; *T-MTT* v13 n3 May 65 275-283
- Rosen, Jerome, see Seidel, H.; *T-MTT* v13 n4 Jul 65 398-407
- Rosen, Jerome, see Denlinger, Edgar J.; *T-MTT* v23 n12 Dec 75 953-958 (1B01)
- Rosenbaum, Fred J., and Paul D. Coleman; Cerenkov radiation in anisotropic ferrites; *T-MTT* v11 n5 Sep 63 302-311
- Comments; *T-MTT* v12 n3 May 64 383
- Rosenbaum, Fred J.; Electromagnetic wave propagation in lossy ferrites; *T-MTT* v12 n5 Sep 64 517-528. Correction, Mar 65 258
- Rosenbaum, Fred J., see Hord, William E.; *T-MTT* v16 n4 Apr 68 228-233
- Rosenbaum, Fred J., see Mueller, Ralph S.; *T-MTT* v16 n10 Oct 68 835-842
- Rosenbaum, Fred J., see Hord, William E.; *T-MTT* v16 n11 Nov 68 902-910
- Rosenbaum, Fred J., see Hord, William E.; *T-MTT* v16 n11 Nov 68 967-969
- Rosenbaum, Fred J., see Mueller, Ralph S.; *T-MTT* v17 n2 Feb 69 92-100
- Rosenbaum, Fred J., see Roe, James M.; *T-MTT* v18 n9 Sep 70 638-642
- Rosenbaum, Fred J., see Tsai, Wei Ching; *T-MTT* v18 n11 Nov 70 808-817
- Rosenbaum, Fred J., see Tsai, Wei Ching; *T-MTT* v18 n11 Nov 70 877-884
- Rosenbaum, Fred J., see Arnold, Richard M.; *T-MTT* v19 n1 Jan 71 57-65 (2B01)
- Rosenbaum, Fred J., see Bryan, J. G.; *T-MTT* v19 n11 Nov 71 889-891 (1F01)
- Rosenbaum, Fred J., see Hord, William E.; *T-MTT* v20 n2 Feb 72 112-119 (1D02)
- Rosenbaum, Fred J., Ed.; MTT editorial policy statement; *T-MTT* v20 n3 Mar 72 201 (1B03)
- Rosenbaum, Fred J., see Sène, Amadou; *T-MTT* v20 n10 Oct 72 645-650 (1C01)
- Rosenbaum, Fred J., see Arnold, Richard M.; *T-MTT* v20 n10 Oct 72 699-701 (2B11)
- Rosenbaum, Fred J., see Wu, Y. S.; *T-MTT* v21 n7 Jul 73 487-489 (2B06)
- Rosenbaum, Fred J., see Hord, William E.; *T-MTT* v22 n2 Feb 74 135-138 (1E01)
- Rosenbaum, Fred J., see Olson, D. H.; *T-MTT* v22 n3 Mar 74 340-342 (3B10)
- Rosenbaum, Fred J., see Lindauer, G. A.; *T-MTT* v22 n8 Aug 74 790-793 (1C08)
- Rosenbaum, Fred J., see Wu, Y. S.; *T-MTT* v22 n10 Oct 74 849-856 (1A03)
- Rosenbaum, Fred J.; Editor's note; *T-MTT* v23 n3 Mar 75 269 (1A03)
- Rosenbaum, Fred J., see Risch, Craig O.; *T-MTT* v23 n4 Apr 75 348-353 (1B12)
- Rosenbaum, Fred J., see Wu, Y. S.; *T-MTT* v23 n6 Jun 75 504-506 (1D04)
- Rosenbaum, Fred J., see Liu, L. M.; *T-MTT* v23 n11 Nov 75 929-931 (1F09)
- Rosenbaum, Fred J., see Liu, L. M.; *T-MTT* v24 n4 Apr 76 216-219 (1D12)
- Rosenbaum, Fred J., see Mueller, Ralph S.; *T-MTT* v24 n8 Aug 76 522-525 (1C06)
- Rosenberg, David, and Don J. R. Stock; Some results for thin-iris loaded periodic waveguides; *T-MTT* v14 n3 Mar 66 145-153
- Rosenfeld, Ronald C., see Hartmann, Clinton S.; *T-MTT* v21 n4 Apr 73 162-175 (1B04)
- Rosenthal, Saul W., see Kaplan, Ira T.; *T-MTT* v19 n2 Feb 71 168-173 (1E08)
- Rosenzweig, Allen, see Hindin, Harvey J.; *T-MTT* v16 n2 Feb 68 125-126
- Ross, G. F.; A simple method for obtaining the system function of a cascade connection of transmission lines (Corresp.); *T-MTT* v18 n10 Oct 70 738-740
- Ross, Gerald F.; The synthetic generation of phase-coherent microwave signals for transient behavior measurements (Corresp.); *T-MTT* v13 n5 Sep 65 704-706
- Ross, Gerald F.; The transient analysis of certain TEM mode four-port networks; *T-MTT* v14 n11 Nov 66 528-542
- Ross, Gerald F.; A new microwave phase equalizer network (Corresp.); *T-MTT* v15 n11 Nov 67 647-650
- Ross, Gerald F.; Comments on calculating isolation in lossy TEM mode couplers (Corresp.); *T-MTT* v16 n1 Jan 68 53-54
- Ross, Gerald F.; An improved pulse-forming network for the generation of phase-coherent microwave signals (Corresp.); *T-MTT* v17 n1 Jan 69 52-54
- Ross, Gerald F.; On stored energy and bandwidth in TEM-mode microwave networks; *T-MTT* v17 n7 Jul 69 386-395
- Ross, Gerald F.; The generation of pulse-modulated signals at C band and beyond (Corresp.); *T-MTT* v19 n1 Jan 71 96-99 (2E04)
- Ross, Gerald F.; The accurate measurement of range by the use of microwave delay line techniques (Short p.); *T-MTT* v23 n12 Dec 75 1071-1074 (2C08)
- Rossen, Selma, and William Engle; High-order varactor multipliers (Corresp.); *T-MTT* v12 n1 Jan 64 142-143
- Rosztoczy, F. E., see de Koning, Joseph G.; *T-MTT* v23 n4 Apr 75 367-374 (1D03)
- Roth, James P., and Koryu Ishii; The cutoff characteristics of the channel waveguide (Corresp.); *T-MTT* v12 n2 Mar 64 245-247
- Rothwell, W. S.; Complex permittivity of conductor-dielectric mixtures (Corresp.); *T-MTT* v19 n4 Apr 71 413-414 (2C09)
- Rotman, Walter, see Oliner, Arthur A.; *T-MTT* v7 n1 Jan 59 134-142
- Rouillé, C., see Buzzi, J. M.; *T-MTT* v25 n6 Jun 77 559-560 (2C04)
- Roumeliotis, John A., see Fikioris, John G.; *T-MTT* v27 n6 Jun 79 570-573 (1B02)
- Rousseau, Michel, and Luc Jeunhomme; Numerical solution of the coupled-power equation in step-index optical fibers; *T-MTT* v25 n7 Jul 77 577-585 (1A13)
- Roussy, Georges, and Marceau Felden; A sensitive method for measuring complex permittivity with a microwave resonator; *T-MTT* v14 n4 Apr 66 171-175
- Roveda, Riccardo, Camillo Borghese, and Giuseppe Cattarin; Dissipative parameters in ferrites and insertion losses in waveguide Y-circulators below resonance; *T-MTT* v20 n2 Feb 72 89-96 (1B03)
- Roveda, Riccardo, see Cattarin, Giuseppe; *T-MTT* v22 n7 Jul 74 752-754 (1D04)
- Row, R. V.; A simple technique for the generation of short rectangular RF pulses from a CW source (Corresp.); *T-MTT* v12 n1 Jan 64 146
- Rowbotham, Thomas R., see Akhtarzad, Sina; *T-MTT* v23 n6 Jun 75 486-492 (1B14)
- Rowe, Harrison E.; Propagation in one-dimensional random media; *T-MTT* v19 n1 Jan 71 73-80 (2C05)
- Rowe, Harrison E., and D. T. Young; Transmission distortion in multimode random waveguides; *T-MTT* v20 n6 Jun 72 349-365 (1B03)
- Rowe, Harrison E., see Young, D. T.; *T-MTT* v20 n6 Jun 72 365-372 (1C07)
- Rowe, Harrison E., and D. T. Young; Minimum-phase behavior of random media; *T-MTT* v23 n5 May 75 411-416 (1A13)
- Rowe, J. E., and Richard Y. Lee; Coupled-mode description of crossed-field interaction; *T-MTT* v9 n2 Mar 61 182-186
- Rowe, Joseph E., see Haddad, George I.; *T-MTT* v10 n1 Jan 62 3-8
- Rowley, J. J., see Hanson, D. W.; *T-MTT* v9 n1 Jan 61 97-98
- Roy, P. K., and A. N. Datta; Application of quarter-wave transformers for precise measurement of complex microwave conductivity of semiconductors (Short p.); *T-MTT* v22 n2 Feb 74 144-146 (1E10)
- Royer, Erlind G., and Raj Mittra; The diffraction of electromagnetic waves by dielectric steps in waveguides; *T-MTT* v20 n4 Apr 72 273-279 (1D07)
- Royer, George M.; A Monte Carlo procedure for potential theory problems; *T-MTT* v19 n10 Oct 71 813-818 (1C11)
- Rozenfeld, Pawel, see Tai, Chen-To; *T-MTT* v24 n9 Sep 76 597-601. Correction, Mar 77 235 (1D11)
- Rozzi, T. E., and Wolfgang F. G. Meckenbräuer; Wide-band network modeling of interactive inductive irises and steps; *T-MTT* v23 n2 Feb 75 235-245 (1D11)
- Rozzi, T. E.; Rigorous analysis of the step discontinuity in a planar dielectric waveguide; *T-MTT* v26 n10 Oct 78 738-746. Correction, Jul 80 809 (1C08)
- Rozzi, Tullio E., see Levy, Ralph; *T-MTT* v16 n3 Mar 68 142-147
- Rozzi, Tullio E.; Equivalent network for interacting thick inductive irises; *T-MTT* v20 n5 May 72 323-330 (1D06)
- Rozzi, Tullio E., and G. de Vrij; A series transformation for diaphragm-type discontinuities in waveguide (Short p.); *T-MTT* v20 n11 Nov 72 770-771 (2B01)
- Rozzi, Tullio E.; The variational treatment of thick interacting inductive irises; *T-MTT* v21 n2 Feb 73 82-88 (1C04)
- Rozzi, Tullio E., and Gerard H. in't Veld; Field and network analysis of interacting step discontinuities in planar dielectric waveguides; *T-MTT* v27 n4 Apr 79 303-309 (1A13)
- Rozzi, Tullio E., and Gerald H. in't Veld; Variational treatment of the diffraction at the facet of d.h. lasers and of dielectric millimeter wave antennas; *T-MTT* v28 n2 Feb 80 61-73
- Rozzi, Tullio E., see Navarro, Manuel S.; *T-MTT* v28 n8 Aug 80 857-865
- Rubin, David; Wide-band phase locking and phase shifting using feedback control of oscillators (Short p.); *T-MTT* v20 n4 Apr 72 286-289 (1E08)
- Rubin, David; Wide-bandwidth millimeter-wave Gunn amplifier in reduced-height waveguide (Short p.); *T-MTT* v23 n10 Oct 75 833-834 (1D13)
- Rubin, David; Varactor-tuned millimeter-wave MIC oscillator (Corresp.); *T-MTT* v24 n11 Nov 76 866-867 (3A14)
- Rubin, David, and Gerald Schaffner; The 1977 Microwave Symposium; *T-MTT* v25 n12 Dec 77 966-969 (1A04)
- Rubin, M. D., see Matthews, E. W.; *T-MTT* v27 n12 Dec 79 998-1004 (1F04)
- Rubin, Milton D.; A new electronic phase shifter (Corresp.); *T-MTT* v10 n1 Jan 62 92
- Rubino, N., see Bini, M.; *T-MTT* v20 n11 Nov 72 771-773 (2B02)
- Rubinstein, Irving, see Levinson, David S.; *T-MTT* v14 n7 Jul 66 310-322
- Rubinstein, Irving, Robert L. Steven, and A. Fred Hinte; Narrow-bandwidth elliptic-function filters; *T-MTT* v17 n12 Dec 69 1108-1115
- Rucker, C. T., W. Morrow, and E. S. Grimes Jr.; An X-band parametric amplifier with closed-cycle cooling (Corresp.); *T-MTT* v13 n1 Jan 65 123-124
- Rucker, C. T.; A multiple-diode high-average-power avalanche-diode oscillator (Corresp.); *T-MTT* v17 n12 Dec 69 1156-1158
- Rucker, C. T., G. N. Hill, N. W. Cox, and J. W. Amoss; Symmetry experiments with four-mesa IMPATT diodes (Ltr.); *T-MTT* v25 n1 Jan 77 75-76 (1F07)
- Rucker, Charles T., see Gleason, K. Reed; *T-MTT* v22 n8 Aug 74 804-806 (1D08)
- Rucker, Charles T., see Cox, N. W.; *T-MTT* v22 n12 Dec 74 1325-1328 (5D03)
- Rucker, Charles T., John W. Amoss, G. N. Hill, and N. W. Cox; Multichip IMPATT power combining, a summary with new analytical and experimental results; *T-MTT* v27 n12 Dec 79 951-957 (1B13)
- Rucker, Charles T., Guest ed., and Gordon R. Harrison Guest ed.; Introductory remarks to special issue; *T-MTT* v22 n12 Dec 74 1122 (3A04)
- Rudashevsky, E. G., A. S. Prokhorov, and L. V. Velikov; Submillimeter spectroscopy of weak antiferromagnets in magnetic fields up to 300 kOe; *T-MTT* v22 n12 Dec 74 1064-1069 (1G02)
- Ruddy, John M.; Experimental results in groove guide (Corresp.); *T-MTT* v13 n6 Nov 65 880-881
- Rudisuhle, E. J., see Harp, M. C.; *T-MTT* v2 n1 Apr 54 36-40. Addendum, Jul 54 64
- Rudokas, R., and T. Itoh; Passive millimeter-wave IC components made of inverted strip dielectric waveguides (Short p.); *T-MTT* v24 n12 Dec 76 978-981 (2A07)
- Rudokas, Ronald S., see Itoh, Tatsuo; *T-MTT* v25 n1 Jan 77 52-55 (1D12)
- Rudolph, Hans-Dieter, see Neumann, Ernst-Georg; *T-MTT* v23 n1 Jan 75 142-149 (2D09)
- Rueggeberg, Werner; The microwave properties of adhesively bonded aluminum foil seams (Corresp.); *T-MTT* v15 n2 Feb 67 117-118
- Rueggeberg, Werner; The complex permittivity of some cork composition materials from 10 to 10,000 MHz (Corresp.); *T-MTT* v16 n1 Jan 68 55-57
- Rueggeberg, Werner; Determination of complex permittivity of arbitrarily dimensioned dielectric modules at microwave frequencies; *T-MTT* v19 n6 Jun 71 517-520 (1C05)
- Ruehle, Thomas, and Leonard Lewin; The E-plane step-diaphragm junction discontinuity; *T-MTT* v27 n2 Feb 79 158-160 (1E12)
- Ruehle, Thomas, see Lewin, Leonard; *T-MTT* v28 n1 Jan 80 44-48
- Ruehli, A. E., N. Kulasza, and J. Pivnichny; Inductance of nonstraight conductors close to a ground return plane (Short p.); *T-MTT* v23 n8 Aug 75 706-708 (2A10)
- Ruehli, Albert E., and Pierce A. Brennan; Efficient capacitance calculations for three-dimensional multiconductor systems; *T-MTT* v21 n2 Feb 73 76-82 (1B10)
- Ruehli, Albert E.; Equivalent circuit models for three-dimensional multiconductor systems; *T-MTT* v22 n3 Mar 74 216-221 (1E10)
- Rulf, Benjamin; Comments on "Scattering of surface waves at a dielectric discontinuity on a planar waveguide" by Mahmoud, S. F., and Beal, J. C.; *T-MTT* v24 n8 Aug 76 539-541
- Rumfelt, Anne Y., see Schafer, George E.; *T-MTT* v7 n4 Oct 59 447-453
- Ruppin, R.; Calculation of electromagnetic energy absorption in prolate spheroids by the point matching method; *T-MTT* v26 n2 Feb 78 87-90 (1C13)
- Ruppin, R.; Electromagnetic power deposition in a dielectric cylinder in the presence of a reflecting surface; *T-MTT* v27 n11 Nov 79 910-913 (1C12)
- Rupprecht, Georg, see Bell, Richard O.; *T-MTT* v9 n3 May 61 239-242
- Rupprecht, Georg, and Ronald F. Steinberg; Determination of microwave transducer and delay-line properties with a modified nodal shift method; *T-MTT* v17 n11 Nov 69 942-956
- Ruscio, J. T., see Arnaud, Jacques A.; *T-MTT* v20 n5 May 72 344-345 (1F03)
- Ruscio, J. T.; Focusing of 104-GHz beams by cylindrical mirrors (Ltr.); *T-MTT* v21 n3 Mar 73 154-155 (1D12)
- Ruscio, Joseph T., see Arnaud, Jacques A.; *T-MTT* v22 n5 May 74 486-493 (1A08)
- Ruscio, Joseph T., see Arnaud, Jacques A.; *T-MTT* v23 n4 Apr 75 377-379 (1D13)
- Ruscio, Joseph T., see Henry, Paul S.; *T-MTT* v26 n6 Jun 78 428-433 (1D08)
- Russell, Kenneth J.; Microwave power combining techniques; *T-MTT* v27 n5 May 79 472-478 (2A13)
- Russo, A. J., see Zelby, L. W.; *T-MTT* v16 n8 Aug 68 566-567
- Russo, F. A., and V. R. Schoep; Measurement of dispersion effects on narrow RF pulses (Corresp.); *T-MTT* v13 n2 Mar 65 250-251
- Rustogi, O. P., see Das, Dipti; *T-MTT* v16 n8 Aug 68 511-516
- Rustogi, O. P.; Linearly tapered transmission line and its application in microwaves (Corresp.); *T-MTT* v17 n3 Mar 69 166-168
- Ruttan, Thomas G.; High-frequency Gunn oscillators (Short p.); *T-MTT* v22 n2 Feb 74 142-144 (1E08)

- Rutz, Elisabeth M.; A stripline frequency translator; *T-MTT* v9 n2 Mar 61 158-161
- Rutz, Elisabeth M., and Emanuel Kramer; Microwave modulator requiring minimum modulation power; *T-MTT* v10 n6 Nov 62 605-610
- Rutz-Philipp, Elisabeth M., and Emanuel Kramer; A frequency modulator with gain for a space array; *T-MTT* v11 n5 Sep 63 420-426
- Ryals, Auber G.; see Hutton, James Keith; *T-MTT* v10 n4 Jul 62 262-273
- Rydbeck, O. E. H., and Erik Kollberg; Rutile traveling-wave maser system for the Onsala 84-foot radio telescope (Corresp.); *T-MTT* v16 n9 Sep 68 799-803
- Rzepecka, M., and S. Stuchly; Rectangular waveguide short circuit with cylindrical slugs (Corresp.); *T-MTT* v14 n3 Mar 66 161-162
- Rzepecka, Maria A., and M. A. K. Hamid; Automatic digital method for measuring the permittivity of thin dielectric films; *T-MTT* v20 n1 Jan 72 30-37 (1D08)
- Rzepecka, Maria A., and M. A. K. Hamid; Extension of digital automatic method for measuring the permittivity of thin dielectric films (Short p.); *T-MTT* v20 n9 Sep 72 628-630 (2C03)

S

- Saad, Abdel Megid Kamal, and Klaus Schünemann; A simple method for analyzing fin-line structures; *T-MTT* v26 n12 Dec 78 1002-1007 (1F10)
- Saad, Saad S., J. B. Davies, and O. J. Davies; Computer analysis of gradually tapered waveguide with arbitrary cross sections (Short p.); *T-MTT* v25 n5 May 77 437-440 (2A01)
- Saad, Theodore S.; Doubly compensated tunable cavity; *T-MTT* v1 n1 Mar 53 25-28
- Saad, Theodore S.; Publication plans of the PGMTT; *T-MTT* v3 n1 Jan 55 1
- Saad, Theodore S.; Message from the editor; *T-MTT* v3 n3 Apr 55 1
- Saad, Theodore S.; Message from the editor; *T-MTT* v3 n5 Oct 55 1
- Saad, Theodore S.; Message from the editor; *T-MTT* v5 n2 Apr 57 80
- Saad, Theodore S.; Message from the Chairman; *T-MTT* v7 n1 Jan 59 2
- Saad, Theodore S.; Microwave Prize; *T-MTT* v8 n1 Jan 60 3
- Saad, Theodore S.; In memoriam; *T-MTT* v20 n12 Dec 72 792-793 (1B03)
- Saad, Theodore S.; The 1972 G-MTT National Lectureship; *T-MTT* v20 n12 Dec 72 797-798 (1B08)
- Sachse, K.; Comments on 'Upper bound calculations on capacitance of microstrip line using variational method and spectral domain approach' (Araki, K., and Naito, Y.); *T-MTT* v28 n9 Sep 80 1034-1035
- Saenz, Juan, see Knorr, Jeffrey B.; *T-MTT* v21 n9 Sep 73 579-580 (1B09)
- Saenz, Juan, see Knorr, Jeffrey B.; *T-MTT* v21 n10 Oct 73 642-644 (1E08)
- Safaai-Jazi, Ahmad, and Gar Lam Yip; Cutoff conditions in three-layer cylindrical dielectric waveguides; *T-MTT* v26 n11 Nov 78 898-903 (1D14)
- Safaai-Jazi, Ahmad, and Gar Lam Yip; Scattering from an arbitrarily located off-axis inhomogeneity in a step-index optical fiber; *T-MTT* v28 n1 Jan 80 24-32
- Safi, M., see Sobhy, M. I.; *T-MTT* v25 n12 Dec 77 1037-1041 (1F05)
- Sage, J., see Sandy, F.; *T-MTT* v19 n5 May 71 484-486 (2B10)
- Saha, P. K.; Dispersion in shielded planar transmission lines on two-layer composite substrate; *T-MTT* v25 n11 Nov 77 907-911 (1D01)
- Saito, Katsutoshi, see Migita, Masatoshi; *T-MTT* v18 n11 Nov 70 1004-1005
- Saito, Masao, see Kato, Fumio; *T-MTT* v25 n10 Oct 77 814-819 (1A10)
- Saito, S., see Kuwahara, Hideo; *T-MTT* v23 n1 Jan 75 178-179 (2G03)
- Saito, S., see Kuwahara, Hideo; *T-MTT* v23 n1 Jan 75 179-180 (2G04)
- Saito, Takaya, see Nakamura, Makoto; *T-MTT* v26 n5 May 78 354-356 (1C08)
- Sakaguchi, Yasunori, see Tsutsumi, Makoto; *T-MTT* v25 n3 Mar 77 224-228. Correction, May 78 374 (1E02)
- Sakai, Jun-ichi, Kenichi Kitayama, Masahiro Ikeda, Yasuyuki Kato, and Tatsuya Kimura; Design considerations of broadband dual-mode optical fibers; *T-MTT* v26 n9 Sep 78 658-665 (1C04)
- Sakiotis, N. G., and H. N. Chait; Properties of ferrites in waveguides; *T-MTT* v1 n2 Nov 53 11-16
- Sakiotis, Nicholas G., see Chait, Herman N.; *T-MTT* v7 n1 Jan 59 38-41
- Sakuda, Kyohel, see Georges, George C.; *T-MTT* v19 n9 Sep 71 788-789 (1F02)
- Salay, Steven J., and Harry J. Peppiatt; Input impedance behavior of stripline circulator (Corresp.); *T-MTT* v19 n1 Jan 71 109-110 (2F05)
- Salay, Steven J., and Harry J. Peppiatt; An accurate junction circulator design procedure (Corresp.); *T-MTT* v20 n2 Feb 72 192-193 (2F02)
- Saleh, Adel A. M., see Arnaud, Jacques A.; *T-MTT* v22 n5 May 74 486-493 (1A08)
- Saleh, Adel A. M.; An adjustable quasi-optical bandpass filter—Part I: Theory and design formulas; *T-MTT* v22 n7 Jul 74 728-734 (1B08)
- Saleh, Adel A. M.; An adjustable quasi-optical bandpass filter—Part II: Practical considerations; *T-MTT* v22 n7 Jul 74 734-739 (1B14)
- Saleh, Adel A. M.; Theorems on match and isolation in multiport networks (Short p.); *T-MTT* v28 n4 Apr 80 428-429
- Saleh, Adel A. M.; Planar electrically symmetric n -way hybrid power dividers/combiners; *T-MTT* v28 n6 Jun 80 555-563
- Saleh, Adel A. M.; Transmission-line identities for a class of interconnected coupled-line sections with application to adjustable microstrip and stripline tuners; *T-MTT* v28 n7 Jul 80 725-732
- Saleh, Adel A. M.; Improving the graceful-degradation performance of combined power amplifiers; *T-MTT* v28 n10 Oct 80 1068-1070
- Salmer, Georges, see Rolland, Paul-Alain; *T-MTT* v24 n11 Nov 76 768-775 (2A01)
- Salmon, J.; A MIC phase-locked loop avalanche oscillator in X band (Short p.); *T-MTT* v22 n4 Apr 74 464-466 (2D12)
- Salmon, S. K.; Practical aspects of surface-acoustic-wave oscillators; *T-MTT* v27 n12 Dec 79 1012-1018 (1G04)
- Salsano, Adelio, see Giannini, F.; *T-MTT* v23 n5 May 75 449-452 (1D09)
- Samaras, George M., Lawrence R. Muroff, and George E. Anderson; Prolongation of life during high-intensity microwave exposures; *T-MTT* v19 n2 Feb 71 245-247 (3C02)
- Samaras, George M., see Robinson, J. Eugene; *T-MTT* v26 n8 Aug 78 546-549 (1C04)
- Samardzija, Nicola, and Tatsuo Itoh; Double-layered slot line for millimeter-wave integrated circuits; *T-MTT* v24 n11 Nov 76 827-831 (2E04)
- Sanchez Sarmiento, Gustavo, see Sarmiento, Gustavo Sanchez
- Sánchez-Sinencio, Edgar, and Timothy N. Trick; CADMIC—Computer-aided design of microwave integrated circuits; *T-MTT* v22 n3 Mar 74 309-317 (2E05)
- Sancho, M., see Rodriguez-Vidal, M.; *T-MTT* v22 n5 May 74 542-544 (2A01)
- Sanderson, Albert E.; A new high-precision method for the measurement of the VSWR of coaxial connectors; *T-MTT* v9 n6 Nov 61 524-528
- Sanderson, Albert E., see MacKenzie, Thomas E.; *T-MTT* v14 n1 Jan 66 29-39
- Sandler, Barbara H., see King, Ronold W. P.; *T-MTT* v28 n6 Jun 80 586-596
- Sandler, Sheldon S.; An approximate solution to some ferrite filled waveguide problems with longitudinal magnetization; *T-MTT* v9 n2 Mar 61 162-168
- Sandsmark, P. L.; Effect of ellipticity on dominant-mode axial ratio in nominally circular waveguides; *T-MTT* v3 n5 Oct 55 15-20
- Sandy, F., and J. Sage; Use of finite difference approximations to partial differential equations for problems having boundaries at infinity (Corresp.); *T-MTT* v19 n5 May 71 484-486 (2B10)
- Sandy, Frank, see Green, Jerome J.; *T-MTT* v22 n6 Jun 74 641-645 (1D13)
- Sandy, Frank, see Green, Jerome J.; *T-MTT* v22 n6 Jun 74 645-651 (1E03)
- Sangster, A. J.; Slot coupling between uniform rectangular waveguides (Ltr.); *T-MTT* v27 n7 Jul 79 705-707 (1F09)
- Sann, Klaus H.; The measurement of near-carrier noise in microwave amplifiers; *T-MTT* v16 n9 Sep 68 761-766
- Sannino, Mario, see Caruso, Giuseppe; *T-MTT* v25 n11 Nov 77 870-873 (1A06)
- Sannino, Mario, see Caruso, Giuseppe; *T-MTT* v26 n9 Sep 78 639-642 (1A13)
- Sannino, Mario, see Caruso, Giuseppe; *T-MTT* v27 n9 Sep 79 779-783 (1A13)
- Sansalone, F. J., and E. G. Spencer; Low-temperature microwave power limiter (Corresp.); *T-MTT* v9 n3 May 61 272-273
- Santana, Carlos, and Leopold B. Felsen; Ray-optical calculation of edge diffraction in unstable resonators; *T-MTT* v26 n2 Feb 78 101-108 (1D13)
- Sanyal, Gitindra S., see Mallick, Amiya Kumar; *T-MTT* v26 n4 Apr 78 243-249 (1B07)
- Sanyal, Gitindra S., see Deshpande, Manohar D.; *T-MTT* v27 n8 Aug 79 731-735 (1B03)
- Sanyal, Gitindra S., see Chakraborty, Ajoy; *T-MTT* v28 n6 Jun 80 577-579
- Saponas, Thomas A.; Generation of confined-spectrum pulses using an absorption p-n diode modulator; *T-MTT* v19 n12 Dec 71 938-943 (1E10)
- Sard, Eugene, Bernard Peyton, and Seymour Okwit; A positive resistance up-converter for ultra-low-noise amplification; *T-MTT* v14 n12 Dec 66 608-618
- Sard, Eugene W.; Analysis of a negative conductance amplifier operated with a nonideal circulator; *T-MTT* v7 n2 Apr 59 288-293
- Sard, Eugene W., see Okwit, Seymour; *T-MTT* v10 n6 Nov 62 558-563
- Sard, Eugene W.; A new procedure for calculating varactor Q from impedance versus bias measurements; *T-MTT* v16 n10 Oct 68 849-860
- Comments, *T-MTT* v18 n4 Apr 70 229-230
- Sard, Eugene W., see Okean, Herman C.; *T-MTT* v19 n5 May 71 491-493 (2C05)
- Sard, Eugene W., see Meier, Paul J.; *T-MTT* v19 n7 Jul 71 600-609 (1D10)
- Sard, Eugene W., see Okean, Herman C.; *T-MTT* v20 n2 Feb 72 155-164 (2C01)
- Sard, Eugene W.; Comments on 'Varactor Q measurement' by Roe, J. M.; *T-MTT* v20 n6 Jun 72 420-421
- Sard, Eugene W.; Closed-form analysis of the abrupt junction varactor doubler; *T-MTT* v27 n6 Jun 79 604-611 (1D08)
- Sarda, Raman Lal, see Wadia, B. H.; *T-MTT* v8 n1 Jan 60 66-72
- Sarmiento, Gustavo Sanchez, see Laura, Patricio A. A.; *T-MTT* v28 n6 Jun 80 568-572
- Sasagawa, Shinji, see Ito, Yukio; *T-MTT* v18 n11 Nov 70 890-897
- Sasaki, Masaki, Norinobu Yoshida, Ichiro Fukai, and Jun-ichi Fukuoka; Analysis of the transient temperature distribution in a stripline with triple-layer dielectric (Short p.); *T-MTT* v24 n2 Feb 76 119-121 (1D11)
- Sato, Risaburo, see Huruva, Junzi; *T-MTT* v28 n8 Aug 80 865-874
- Sato, Risaburo, and Edward G. Cristal; Simplified analysis of coupled transmission-line networks; *T-MTT* v18 n3 Mar 70 122-131
- Sato, Risaburo; A design method for meander-line networks using equivalent circuit transformations; *T-MTT* v19 n5 May 71 431-442 (1B11)
- Sato, Risaburo, see Chiba, Jiro; *T-MTT* v26 n6 Jun 78 439-443 (1E05)
- Sato, Wayne D., see Terrio, Franklin G.; *T-MTT* v22 n6 Jun 74 688-692 (2A14)
- Sato, Y., and P. S. Carter; A device for rapidly aligning and mounting ferromagnetic single crystals along any desired axis (Corresp.); *T-MTT* v10 n6 Nov 62 611-612
- Satamura, Yutaka, Masanori Matsuhara, and Nobuaki Kumagai; Analysis of electromagnetic-wave modes in anisotropic slab waveguide; *T-MTT* v22 n2 Feb 74 86-92 (1A08)
- Saulich, Gisbert; A simple method for spacing the adjacent passband of a coupled-line filter; *T-MTT* v28 n4 Apr 80 359-362
- Saulsbery, L. F., see Hudson, Paul A.; *T-MTT* v19 n9 Sep 71 781-783 (1E07)
- Saunders, Joseph H., see Schlömann, Ernst; *T-MTT* v8 n1 Jan 60 96-100
- Saunders, Joseph H., see Milano, Ugo; *T-MTT* v8 n3 May 60 346-351
- Sauter, E., and G. V. Schultz; Comparison of methods for sensitivity determination of point-contact diodes at submillimeter wavelength; *T-MTT* v25 n6 Jun 77 468-470 (1B02)
- Savage, Bruce R., see Parks, J. K.; *T-MTT* v14 n12 Dec 66 688-694
- Savage, Bruce R., see Harrison, Gordon R.; *T-MTT* v19 n7 Jul 71 577-588 (1B11)
- Savard, Jean Y.; Higher-order cylindrical surface-wave modes; *T-MTT* v15 n3 Mar 67 151-155
- Sawa, Shinnosuke; Propagation of light beam through lens-like media with complex permittivity; *T-MTT* v23 n7 Jul 75 566-575 (1B14)
- Sawa, Shinnosuke; A theoretical study of light beams guided along tapered lenslike media, and their applications; *T-MTT* v24 n2 Feb 76 77-93 (1A11)
- Sawa, Shinnosuke, and Nobuaki Kumagai; Analysis of optical waveguide consisting of a square-law lenslike medium and its analogies to circular TE₀₁ waveguide; *T-MTT* v24 n7 Jul 76 441-455 (1D09)
- Sawano, Hiroshi, see Nishitani, Kazuo; *T-MTT* v25 n12 Dec 77 973-977 (1A11)
- Sawano, Hiroshi, see Ishihara, Osamu; *T-MTT* v28 n8 Aug 80 817-824
- Sawayama, Yoshihiko, see Tajima, Yusuke; *T-MTT* v22 n9 Sep 74 839-841 (1B07)
- Sawazaki, N., and T. Honma; A new microwave frequency standard by quenching oscillator control; *T-MTT* v4 n2 Apr 56 116-121
- Saxton, J. A., and J. A. Lane; Comment on 'The microwave reflective properties of water surfaces—Part I: The reflectivity of smooth water at 19.24 and 22.43 GHz as measured with a free-wave microwave reflectometer'; *T-MTT* v18 n4 Apr 70 230
- Scanlan, Sean O., and Jin Twan Lim; A design theory for optimum broadband reflection amplifiers; *T-MTT* v12 n5 Sep 64 504-511
- Scanlan, Sean O., and Jin Twan Lim; The effect of parasitic elements on reflection type tunnel diode amplifier performance; *T-MTT* v13 n6 Nov 65 827-836
- Scanlan, Sean O., and J. David Rhodes; Microwave allpass networks—Part I; *T-MTT* v16 n2 Feb 68 62-72
- Scanlan, Sean O., and J. David Rhodes; Microwave allpass networks—Part II; *T-MTT* v16 n2 Feb 68 72-79
- Scanlan, Sean O., and Thespis P. Pantzaris; Microwave networks with equipripple delay characteristics; *T-MTT* v18 n1 Jan 70 15-25
- Scanlan, Sean O., and Thespis P. Pantzaris; A class of minimum-phase microwave

- filters with simultaneous conditions on amplitude and delay; *T-MTT v19 n9 Sep 71 749-759* (1B11)
- Scanlan, Sean O., and George P. Young; Error considerations in the design of microwave transistor amplifiers; *T-MTT v28 n11 Nov 80 1163-1169*
- Schaefer, Daniel J., see Hollis, Mark A.; *T-MTT v28 n7 Jul 80 791-801*
- Schafer, G. E.; A modulator for microwave mixers (Corresp.); *T-MTT v6 n3 Jul 58 333-334*
- Schafer, G. E., see Beatty, R. W.; *T-MTT v21 n5 May 73 364*
- Schafer, George E., and Robert W. Beatty; A method for measuring the directivity of directional couplers; *T-MTT v6 n4 Oct 58 419-422*. Correction, *T-MTT v12 n3 May 64 361*
- Schafer, George E., and Anne Y. Rumpf; Mismatch errors in cascade-connected variable attenuators; *T-MTT v7 n4 Oct 59 447-453*
- Schafer, George E.; Mismatch errors in microwave phase shift measurements; *T-MTT v8 n6 Nov 60 617-622*
- Schafer, George E.; Comments on 'Analysis of automatic homodyne method amplitude and phase measurements' by Howarth, B. A., and Pavlasek, T. J. F.; *T-MTT v21 n6 Jun 73 432*
- Schaffersman, R. L., see Mumford, William W.; *T-MTT v3 n6 Dec 55 12-17*
- Schaffner, G., Guest ed.; Editor's overview; *T-MTT v25 n12 Dec 77 965* (1A03)
- Schaffner, Gerald, see Rubin, David; *T-MTT v25 n12 Dec 77 966-969* (1A04)
- Schanda, E., see Kint, L. v. d.; *T-MTT v11 n1 Jan 63 90-92*
- Schanda, Erwin, see Kuenzi, Klaus; *T-MTT v16 n9 Sep 68 789-791*
- Scharfman, Howard, see O'Hara, Francis J.; *T-MTT v7 n1 Jan 59 32-37*
- Schaug-Petersen, Tor, see Elliott, Brian J.; *T-MTT v9 n1 Jan 61 92-94*
- Scheggi, A. M., see Checcacci, P. F.; *T-MTT v18 n5 May 70 282-283*
- Scheggi, Anna Maria, see Checcacci, Pier Francesco; *T-MTT v17 n2 Feb 69 125-127*
- Scheggi, Anna Maria, see Checcacci, Pier Francesco; *T-MTT v22 n5 May 74 576-578* (2C07)
- Scheggi, Anna Maria, see Checcacci, Pier Francesco; *T-MTT v22 n7 Jul 74 751-752* (1D03)
- Scheggi, Annamaria, see Checcacci, Pier Francesco; *T-MTT v16 n2 Feb 68 103-109*
- Scheggi, Annamaria, see Checcacci, Pier Francesco; *T-MTT v20 n9 Sep 72 608-613* (1E10)
- Scheggi, Annamaria, see Checcacci, Pier Francesco; *T-MTT v21 n5 May 73 361-362* (1F03)
- Scheggi, Annamaria, see Checcacci, Pier Francesco; *T-MTT v21 n5 May 73 362-363* (1F04)
- Scheggi, Annamaria, see Checcacci, Pier Francesco; *T-MTT v21 n10 Oct 73 649-651* (1F03)
- Scheibe, Elmer H., see Beyer, James B.; *T-MTT v11 n1 Jan 63 18-22*
- Scheibe, Elmer H., see Mink, James W.; *T-MTT v14 n5 May 66 222-228*
- Scheibe, P. O., see Branner, G. R.; *T-MTT v20 n2 Feb 72 176-178* (2D10)
- Schellkunoff, Sergei Alexander; Microwaves and mathematics; *T-MTT v5 n3 Jul 57 172-173*
- Schenk, K. F.; The complex program for constrained minimization (Computer program descr.); *T-MTT v22 n3 Mar 74 343-344* (3B13)
- Scherer, Ernst F.; Investigations of the noise spectra of avalanche oscillators; *T-MTT v16 n9 Sep 68 781-788*
- Scherer, Ernst F.; Large-signal operation of avalanche-diode amplifiers; *T-MTT v18 n11 Nov 70 922-932*
- Scherer, Ernst F., see Ku, Walter H.; *T-MTT v18 n11 Nov 70 932-942*
- Schiek, B., and J. Köhler; An improved microstrip-to-microslot transition (Ltr.); *T-MTT v24 n4 Apr 76 231-233* (1E13)
- Schiek, Burkhard, and Klaus Schünemann; Comments on 'Noise in IMPATT diode amplifiers and oscillators'; *T-MTT v20 n7 Sep 72 631-632* (2C06)
- Schiek, Burkhard, and Klaus Schünemann; Noise of negative resistance oscillators at high modulation frequencies; *T-MTT v20 n10 Oct 72 635-641* (1B03)
- Schiek, Burkhard; Hybrid branchline couplers—A useful new class of directional couplers; *T-MTT v22 n10 Oct 74 864-869* (1B04)
- Schiek, Burkhard, and Jürgen Köhler; A method for broad-band matching of microstrip differential phase shifters; *T-MTT v25 n8 Aug 77 666-671* (1C10)
- Schiek, Burkhard, and Jürgen Köhler; Improving the isolation of 3-dB couplers in microstrip-slotline technique; *T-MTT v26 n1 Jan 78 5-7* (1A07)
- Schiek, Burkhard, see Tulaja, Volker; *T-MTT v26 n9 Sep 78 643-645* (1B03)
- Schiek, Burkhard, see Knöchel, Reinhard; *T-MTT v27 n1 Jan 79 84-85* (1G02)
- Schiffman, B. M., see Cline, J. F.; *T-MTT v7 n1 Jan 59 121-127*. Correction, *Jul 59 369*
- Schiffman, B. M., see Young, Leo; *T-MTT v13 n1 Jan 65 133*
- Schiffman, B. M.; Capacitively-coupled stub filter (Corresp.); *T-MTT v13 n2 Mar 65 253-254*
- Schiffman, B. M.; Multisection microwave phase-shift network (Corresp.); *T-MTT v14 n4 Apr 66 209*
- Schiffman, B. M.; Two nomograms for coupled-line sections for band-stop filters (Corresp.); *T-MTT v14 n6 Jun 66 297-299*
- Schiffman, B. M., see Cristal, E. G.; *T-MTT v15 n3 Mar 67 195*
- Schiffman, B. M.; Realizations of a duo-pole branch of an elliptic-function bandstop filter (Corresp.); *T-MTT v15 n8 Aug 67 487*
- Schiffman, B. M.; Bandwidth curves for Mumford's maximally flat filter (Corresp.); *T-MTT v15 n10 Oct 67 589*
- Schiffman, Bernard M.; A new class of broad-band microwave 90-degree phase shifters; *T-MTT v6 n2 Apr 58 232-237*
- Schiffman, Bernard M., and George L. Matthaei; Exact design of band-stop microwave filters; *T-MTT v12 n1 Jan 64 6-15*. Correction, *Sep 65 703*. Addendum, *T-MTT v12 n3 May 64 369-382*
- Schiffman, Bernard M.; A harmonic rejection filter designed by an exact method; *T-MTT v12 n1 Jan 64 58-60*
- Schiffman, Bernard M., Leo Young, and Roderic B. Larrick; Thin-film waveguide bolometers for multimode power measurement; *T-MTT v12 n2 Mar 64 155-163*
- Schiffman, Bernard M.; A multiharmonic rejection filter designed by an exact method; *T-MTT v12 n5 Sep 64 512-516*
- Schiffman, Bernard M., Leo Young, and Roderic B. Larrick; Wire-grid waveguide bolometers for multimode power measurement; *T-MTT v13 n4 Jul 65 427-431*
- Schiffman, Bernard M., George L. Matthaei, and Leo Young; A rectangular-waveguide filter using trapped-mode resonators; *T-MTT v13 n5 Sep 65 575-580*
- Schiffman, Bernard M., Leo Young, and George L. Matthaei; A new type of low-pass filter that attenuates by dissipation (Corresp.); *T-MTT v13 n5 Sep 65 699-700*
- Schiffman, Bernard M., and Leo Young; Design tables for an elliptic-function band-stop filter ($N=5$); *T-MTT v14 n10 Oct 66 474-482*
- Schiffman, Bernard M., and Leo Young; Birefringent filter for millimeter waves; *T-MTT v16 n6 Jun 68 351-360*
- Schiffman, Bernard M.; Crossed-cylindrical microwave resonator (Corresp.); *T-MTT v18 n8 Aug 70 509-510*
- Schilling, William A., see Sikanowicz, W. W.; *T-MTT v16 n3 Mar 68 177-183*
- Schitz, Wolfgang M., see Hoppe, Wolfgang; *T-MTT v28 n12 Dec 80 1449-1452*
- Schindler, Max J.; A fast data-acquisition system for a time-shared computer; *T-MTT v20 n1 Jan 72 54-60* (2B01)
- Schissler, L. R., see van de Vaart, H.; *T-MTT v21 n4 Apr 73 236-243* (2C09)
- Schjaer-Jacobsen, Hans, see Madsen, Kaj; *T-MTT v23 n10 Oct 75 803-809*. Correction, *Apr 76 233* (1B11)
- Schlaphoff, C. W., see Nelson, Stuart O.; *T-MTT v22 n3 Mar 74 342-343* (3B12)
- Schlesinger, S. P., P. Diamant, and A. Vigants; On higher-order hybrid modes of dielectric cylinders (Corresp.); *T-MTT v8 n2 Mar 60 252-253*
- Schlesinger, S. P., see Diamant, P.; *T-MTT v13 n6 Nov 65 884-885*
- Schlesinger, S. P., see Granatstein, Victor L.; *T-MTT v22 n12 Dec 74 1000-1005* (1B08)
- Schlesinger, S. P., see Walsh, J. E.; *T-MTT v25 n6 Jun 77 561-563* (2C06)
- Schlesinger, S. Perry, see King, D. D.; *T-MTT v5 n1 Jan 57 31-36*
- Schlesinger, S. Perry, and D. D. King; Dielectric image lines; *T-MTT v6 n3 Jul 58 291-299*
- Schlesinger, S. Perry, see Diamant, Paul; *T-MTT v9 n4 Jul 61 332-337*
- Schlesinger, S. Perry, see Vigants, Arvids; *T-MTT v10 n5 Sep 62 375-382*
- Schlesinger, S. Perry, see Granatstein, Victor L.; *T-MTT v23 n6 Jun 77 513*
- Schlie, Laverne A., see Fein, Michael E.; *T-MTT v20 n1 Jan 72 22-30* (1C12)
- Schlie, Laverne A., see Fein, Michael E.; *T-MTT v20 n1 Jan 72 83* (2D06)
- Schlömann, Ernst, Joseph H. Saunders, and Marshall H. Sirvetz; L-band ferromagnetic resonance experiments at high peak power levels; *T-MTT v8 n1 Jan 60 96-100*
- Schlömann, Ernst, see Green, Jerome J.; *T-MTT v8 n1 Jan 60 100-103*
- Schlömann, Ernst; On the theory of the ferrite resonance isolator; *T-MTT v8 n2 Mar 60 199-206*
- Schlömann, Ernst; Theoretical analysis of twin-slab phase shifters in rectangular waveguide; *T-MTT v14 n1 Jan 66 15-23*
- Schlömann, Ernst, see Tierman, Robert J.; *T-MTT v23 n10 Oct 75 813-818* (1C07)
- Schlossberg, H. R., see Fetterman, H. R.; *T-MTT v22 n12 Dec 74 1118* (1D01)
- Schlossberg, Howard, see Goldsmith, Paul F.; *T-MTT v28 n10 Oct 80 1136-1139*
- Schlosser, Wolfgang O.; Noise in mutually synchronized oscillators; *T-MTT v16 n9 Sep 68 732-737*
- Schlosser, Wolfgang O., and Kaneyuki Kurokawa; Insertion loss of 4-level phase switch (Short p.); *T-MTT v20 n9 Sep 72 614-616* (2B01)
- Schmidt, Lorenz-Peter, and Tatsuo Itoh; Spectral domain analysis of dominant and higher order modes in fin-lines; *T-MTT v28 n9 Sep 80 981-985*
- Schmidt, Ronald V., and Fred W. Voltmer; Piezoelectric elastic surface waves in anisotropic layered media; *T-MTT v17 n11 Nov 69 920-926*
- Schmitt, H. J.; Dispersion of pulsed electromagnetic waves in a plasma (Corresp.); *T-MTT v13 n4 Jul 65 472-473*
- Schmitt, H. J., and H. Zimmer; Fast sweep measurements of relaxation times in superconducting cavities (Corresp.); *T-MTT v14 n4 Apr 66 206-207*
- Schneider, M. V., see Henry, Paul; *T-MTT v24 n5 May 76 254-257* (1B06)
- Schneider, Martin V.; Computation of impedance and attenuation of TEM-lines by finite difference methods; *T-MTT v13 n6 Nov 65 793-800*
- Schneider, Martin V., see Glance, Bernard S.; *T-MTT v22 n12 Dec 74 1281-1283* (5A01)
- Schneider, Martin V., and William W. Snell Jr.; Harmonically pumped stripline down-converter; *T-MTT v23 n3 Mar 75 271-275* (1A05)
- Schneider, Martin V., see Snell, William W., Jr.; *T-MTT v24 n11 Nov 76 804-806* (2C09)
- Schneider, Martin V., see McMaster, Thomas F.; *T-MTT v24 n12 Dec 76 948-952* (1D08)
- Schneider, Martin V., see Carlson, Eric R.; *T-MTT v26 n10 Oct 78 706-715* (1A04)
- Schneider, Martin V., see Linke, R. A.; *T-MTT v26 n12 Dec 78 935-938* (1A13)
- Schneider, Martin V.; Electrical characteristics of metal-semiconductor junctions; *T-MTT v28 n11 Nov 80 1169-1173*
- Schneider, S., and R. Spitzer; Application of stimulated electromagnetic shock radiation to the generation of intense submillimeter waves; *T-MTT v25 n6 Jun 77 551-555* (2B10)
- Schnitzler, Raymond, see Ramy, Jean-Pierre; *T-MTT v26 n10 Oct 78 814-820* (2B06)
- Schoep, V. R., see Russo, F. A.; *T-MTT v13 n2 Mar 65 250-251*
- Schonbach, Shmuel, see Kopeika, Norman S.; *T-MTT v27 n3 Mar 79 227-232* (1A13)
- Schoonaert, D. H., see Luypaert, Pieter J.; *T-MTT v23 n12 Dec 75 1061-1064* (2B12)
- Schott, F. W., and T. F. Tao; On the classification of electromagnetic waves in ferrite rods (Corresp.); *T-MTT v16 n11 Nov 68 959-961*
- Schott, F. W.; On the Smith chart (Ltr.); *T-MTT v26 n4 Apr 78 314* (2A01)
- Schott, Frederick W., and Taro Yodokawa; Radiation losses of planar circuit resonators and the R/Q parameter (Short p.); *T-MTT v25 n5 May 77 416-418* (1F06)
- Schott, W., see Brunner, F.; *T-MTT v23 n3 Mar 75 319-320* (1D11)
- Schötzau, H. J., B. Adam, and F. Kneubühl; HCN-laser diagnostics (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74 1118* (2D01)
- Schötzau, H. J., see Adam, B.; *T-MTT v22 n12 Dec 74 1118* (2D01)
- Schrader, D. H., see Olsen, R. G.; *T-MTT v25 n5 May 77 428-433* (1G04)
- Schroeder, Lyle C., see Jones, W. Linwood; *T-MTT v23 n12 Dec 75 1053-1058* (2B04)
- Schroeder, W. E., and George I. Haddad; Effect of harmonic and subharmonic signals on avalanche-diode oscillator performance (Corresp.); *T-MTT v18 n6 Jun 70 327-331*
- Schroeder, W. E., see Haddad, George I.; *T-MTT v21 n7 Jul 73 501-502* (2C08)
- Schroeder, William E., see Haddad, George I.; *T-MTT v18 n11 Nov 70 752-772*
- Schroeder, William E., see Gonda, Joseph; *T-MTT v25 n5 May 77 343-352* (1A03)
- Schuldiner, B., see Kalikstein, K.; *T-MTT v12 n2 Mar 64 252-253*
- Schulten, G.; Microwave optical ring resonators (Corresp.); *T-MTT v15 n1 Jan 67 54-55*
- Schulten, G., and J. P. Stoll; A note on 'Submillimeter wave harmonic mixing'; *T-MTT v15 n1 Jan 67 60*
- Schulten, G., and J. P. Stoll; A high-precision wideband wavemeter for millimeter waves (Corresp.); *T-MTT v15 n7 Jul 67 430-431*
- Schultz, G. V., see Sauter, E.; *T-MTT v25 n6 Jun 77 468-470* (1B02)
- Schultz-DuBois, Erich O., Gershon J. Wheeler, and Marshall H. Sirvetz; Development of a high-power L-band resonance isolator; *T-MTT v6 n4 Oct 58 423-428*

- Schulz-DuBois, Erich O., see Hensel, Marion L.; *T-MTT* v12 n3 May 64 309-315
- Schulz-DuBois, Erich O.; Sommerfeld pre- and postcursors in the context of waveguide transients; *T-MTT* v18 n8 Aug 70 455-460
- Schumacher, D. E., see Ishii, K.; *T-MTT* v11 n3 May 63 212-213
- Schumacher, D. E., and K. Ishii; Phaseshift of electromagnetic waves propagating through waveguide junctions (Corresp.); *T-MTT* v11 n5 Sep 63 449-450
- Schumacher, F.; High-power frequency multiplier using MIS varactors (Short p.); *T-MTT* v21 n10 Oct 73 648-649 (1F02)
- Schünemann, K., see Schiek, B.; *T-MTT* v20 n9 Sep 72 631-632
- Schünemann, K., R. Knöchel, and G. Begemann; Components for microwave integrated circuits with evanescent-mode resonators; *T-MTT* v25 n12 Dec 77 1026-1032 (1E08)
- Schünemann, K. F., see Knöchel, Reinhard; *T-MTT* v27 n1 Jan 79 84-85 (1G02)
- Schünemann, Klaus, see Schiek, Burkhard; *T-MTT* v20 n7 Sep 72 631-632 (2C06)
- Schünemann, Klaus, see Schiek, Burkhard; *T-MTT* v20 n10 Oct 72 635-641 (1B03)
- Schünemann, Klaus, and Reinhard Knöchel; On the matching of transmission cavity stabilized microwave oscillators; *T-MTT* v26 n3 Mar 78 147-155 (1A13)
- Schünemann, Klaus, see Knöchel, Reinhard; *T-MTT* v26 n12 Dec 78 939-944 (1B03)
- Schünemann, Klaus, see Saad, Abdel Megid Kamal; *T-MTT* v26 n12 Dec 78 1002-1007 (1F10)
- Schünemann, Klaus, see Kpodzo, Elias; *T-MTT* v28 n7 Jul 80 747-752
- Schünemann, Klaus F., and Karl Behm; Nonlinear noise theory for synchronized oscillators; *T-MTT* v27 n5 May 79 452-458 (1G06)
- Schwan, Herman P.; Interaction of microwave and radio frequency radiation with biological systems; *T-MTT* v19 n2 Feb 71 146-152 (1C10)
- Schwartz, E., see Bex, H.; *T-MTT* v19 n5 May 71 493-494 (2C07)
- Schwartz, E.; Comments on 'Dissipation and scattering matrices of lossy junctions' by Helzajn, J.; *T-MTT* v22 n1 Jan 74 75
- Schwartz, Eduard; Broadband matching of resonant circuits and circulators; *T-MTT* v16 n3 Mar 68 158-165. Correction, Oct 68 894
- Schwartz, R. F., see Caswell, W. E.; *T-MTT* v15 n2 Feb 67 120-123
- Schwartz, Richard F.; Bibliography on directional couplers; *T-MTT* v2 n2 Jul 54 58-63. Addendum, Apr 55 42-43
- Schwartz, Richard F.; Foreword; *T-MTT* v4 n4 Oct 56 192
- Schwartz, Richard F., see Lombardini, Pietro P.; *T-MTT* v4 n4 Oct 56 234-239. Correction, Apr 57 162
- Schwartz, Richard F.; Criteria for the design of loop-type directional couplers for the L band (Corresp.); *T-MTT* v5 n2 Apr 57 162
- Schwering, F., see Goubau, G.; *T-MTT* v13 n6 Nov 65 749-755
- Schwering, F., and A. Zarfler; Beam waveguide excitation by the aperture field of a tubular waveguide (Corresp.); *T-MTT* v15 n3 Mar 67 191-192
- Schwering, Felix K.; On the theory of randomly misaligned beam waveguides; *T-MTT* v15 n4 Apr 67 206-215
- Schwiebert, Henry, see Wheeler, H. A.; *T-MTT* v3 n5 Oct 55 44-52
- Sciambi, Attilio F., Jr., see Goudy, Kenneth R.; *T-MTT* v26 n5 May 78 326-332 (1A08)
- Scott, Donald C., see Grimes, E. S., Jr.; *T-MTT* v8 n5 Sep 60 489-492
- Scott, Marion W., and Jerome K. Butler; Radiation fields of optical stripline waveguides; *T-MTT* v28 n3 Mar 80 235-238
- Scovil, H. E. D.; The three-level solid-state maser; *T-MTT* v6 n1 Jan 58 29-38
- Seals, Joseph, see Burdette, Everette C.; *T-MTT* v28 n4 Apr 80 414-427
- Seaman, R. L., see Joines, W. T.; *T-MTT* v24 n8 Aug 76 536-538 (1D06)
- Searles, C. B., see Ashley, J. R.; *T-MTT* v13 n6 Nov 65 869-870
- Searles, Clifford B., see Ashley, J. Robert; *T-MTT* v16 n9 Sep 68 743-748
- Searles, Clifford B., see Ashley, J. Robert; *T-MTT* v16 n9 Sep 68 753-760
- Sebring, James R., see Cox, Richard M.; *T-MTT* v24 n12 Dec 76 964-971 (1E10)
- Sechi, Franco N., see Camisa, Raymond L.; *T-MTT* v27 n5 May 79 391-394 (1C01)
- Sechi, Franco N.; Design procedure for high efficiency linear microwave power amplifiers; *T-MTT* v28 n11 Nov 80 1157-1163
- Seckelmann, Robert; Propagation of TE modes in dielectric loaded waveguides; *T-MTT* v14 n11 Nov 66 518-527
- Seckelmann, Robert; Propagation of TE modes in dielectric loaded waveguides—Part II: Numerical results (Corresp.); *T-MTT* v16 n6 Jun 68 362-368
- Seflor, J. Larry, see Chu, Kwo Ray; *T-MTT* v27 n2 Feb 79 178-187 (1G04)
- Seidel, Boris L., and Charles T. Stelzried; A radiometric method for measuring the insertion loss of radome materials; *T-MTT* v16 n9 Sep 68 625-628
- Seidel, David B., and James R. Wait; Transmission modes in a braided coaxial cable and coupling to a tunnel environment; *T-MTT* v26 n7 Jul 78 494-499 (1C12)
- Seidel, David B.; Aperture excitation of a wire in a rectangular cavity; *T-MTT* v26 n11 Nov 78 908-914 (1E10)
- Seidel, David B., see Kuester, Edward F.; *T-MTT* v27 n8 Aug 79 736-741 (1B08)
- Seidel, H., and Jerome Rosen; Multiplicity in cascade transmission line synthesis—Part I; *T-MTT* v13 n3 May 65 275-283
- Seidel, H., and Jerome Rosen; Multiplicity in cascade transmission line synthesis—Part II; *T-MTT* v13 n4 Jul 65 398-407
- Seidel, Harold; Synthesis of a class of microwave filters; *T-MTT* v5 n2 Apr 57 107-114
- Seiden, Phillip E.; A new technique for the measurement of spinwave linewidths from the saturation of the ferrimagnetic resonance line; *T-MTT* v10 n1 Jan 62 51-55
- Seikai, Shigeyuki, see Kitayama, Kenichi; *T-MTT* v28 n6 Jun 80 604-608
- Seip, Barry S., and Larry W. Hinderks; A computerized Klinger cavity mode conversion test set; *T-MTT* v22 n10 Oct 74 873-878 (1B13)
- Sekido, Kenji, see Irie, Toshiaki; *T-MTT* v24 n6 Jun 76 321-328 (1D05)
- Selling, Theodore V.; An investigation of a feedback control system for stabilization of microwave radiometers; *T-MTT* v10 n3 May 62 209-213
- Séne, Amadou, and Fred J. Rosenbaum; A wide-band Gunn-effect CW waveguide amplifier; *T-MTT* v20 n10 Oct 72 645-650 (1C01)
- Senise, J. T.; Trigonometric functions and the Smith chart (Ltr.); *T-MTT* v21 n8 Aug 73 569-570 (2D03)
- Senitzky, B., see Liebe, H. J.; *T-MTT* v15 n3 Mar 67 190-191
- Senitzky, Benjamin; Noise in the presence of strong signals; *T-MTT* v16 n9 Sep 68 728-732
- Sensiper, S., Chmn.; 1970 International Microwave Symposium; *T-MTT* v18 n12 Dec 70 1018-1020
- Sensiper, Samuel; Fourier transforms and directional couplers (Corresp.); *T-MTT* v6 n2 Apr 58 238
- Serna, Rey, see Archer, John W.; *T-MTT* v28 n7 Jul 80 786-791
- Seshadri, S. R.; Excitation of surface waves on a unidirectionally conducting screen; *T-MTT* v10 n4 Jul 62 279-286
- Seshadri, S. R.; Scattering of surface waves by discontinuities on a unidirectionally conducting screen; *T-MTT* v10 n5 Sep 62 367-375
- Seshadri, S. R.; Excitation of surface waves on a perfectly conducting screen covered with anisotropic plasma; *T-MTT* v10 n6 Nov 62 573-578
- Seshadri, S. R.; Excitation of plasma waves in an unbounded homogeneous plasma by a line source; *T-MTT* v11 n1 Jan 63 39-50
- Seshadri, S. R.; Scattering of unidirectional surface waves; *T-MTT* v11 n4 Jul 63 238-243
- Seshadri, S. R.; TEM mode in a parallel-plate waveguide filled with a gyrotropic dielectric (Corresp.); *T-MTT* v11 n5 Sep 63 436-437
- Seshadri, S. R., see Tuan, Hang Sheng; *T-MTT* v11 n6 Nov 63 462-471
- Seshadri, S. R., and William F. Pickard; Surface waves on an anisotropic plasma sheath; *T-MTT* v12 n5 Sep 64 529-541
- Seshadri, S. R., see Owyang, Gilbert H.; *T-MTT* v14 n3 Mar 66 136-144
- Seshadri, S. R.; Magnetic wave interactions in a periodically corrugated YIG film; *T-MTT* v27 n2 Feb 79 199-204 (2A12)
- Seshadri, T. K., S. Mahapatra, and K. Rajaiha; Corner function analysis of microstrip transmission lines; *T-MTT* v28 n4 Apr 80 376-380
- Seshagiri, N.; A nonuniform coaxial line with an isoperimetric sheath deformation; *T-MTT* v11 n6 Nov 63 478-486
- Seshagiri, N.; A uniform coaxial line with an elliptic-circular cross section (Corresp.); *T-MTT* v11 n6 Nov 63 549-551
- Seshagiri, N.; Least-weighted-square method for analysis and synthesis of transmission lines; *T-MTT* v15 n9 Sep 67 494-503
- Sethares, James C., and Sally J. Naumann; Design of microwave dielectric resonators; *T-MTT* v14 n1 Jan 66 2-7
- Sethares, James C.; Magnetostatic surface-wave transducers; *T-MTT* v27 n11 Nov 79 902-909 (1C04)
- Seto, Y. J.; The Green's dyadic for radiation in a bounded simple moving medium; *T-MTT* v15 n8 Aug 67 455-462
- Severin, Hans K. F.; Propagation constants of circular cylindrical waveguides containing ferrites; *T-MTT* v7 n3 Jul 59 337-346
- Severin, Piet J. W., and Aart G. van Nie; A simple and rugged wide-band gas discharge detector for millimeter waves; *T-MTT* v14 n9 Sep 66 431-436
- Seviara, Rudolf; Equivalent circuit for parallel conductor array (Corresp.); *T-MTT* v16 n10 Oct 68 875-877
- Seviara, Rudolf E., see Bandler, John W.; *T-MTT* v18 n12 Dec 70 1159-1170
- Seviara, Rudolf E., see Bandler, John W.; *T-MTT* v20 n2 Feb 72 138-147 (1F04)
- Seymour, R. N., see Hagon, P. J.; *T-MTT* v21 n4 Apr 73 303-306 (3D11)
- Shackie, P. W.; A new technique for the characterization of microwave avalanche diodes (Corresp.); *T-MTT* v18 n11 Nov 70 995-998
- Shafai, Lotfollah, see Elmoazzen, Y. E.; *T-MTT* v21 n12 Dec 73 825-833. Correction, Aug 74 816 (2D11)
- Shafai, Lotfollah, see Elmoazzen, Y. E.; *T-MTT* v23 n11 Nov 75 871-876 (1B07)
- Shafai, Lotfollah, see Azarbar, Bahman; *T-MTT* v27 n11 Nov 79 883-890 (1A13)
- Shahan, Onnig; Miniature strip-line to waveguide slot adapter—Co-linear (Corresp.); *T-MTT* v10 n2 Mar 62 142-143
- Shamasundara, S. D., and Nagendra Singh; Design of coupled microstrip lines (Ltr.); *T-MTT* v25 n3 Mar 77 232-233 (1E10)
- Shamasundara, Srigripuram D., and K. C. Gupta; Sensitivity analysis of coupled microstrip directional couplers; *T-MTT* v26 n10 Oct 78 788-794 (1G02). Correction, *T-MTT* v27 n2 Feb 79 208 (2B07)
- Shanley, James F., see Cardiasmenos, Apostle G.; *T-MTT* v24 n11 Nov 76 725-730 (1D03)
- Shapiro, Alan R., Richard F. Lutomirski, and Harold T. Yura; Induced fields and heating within a cranial structure irradiated by an electromagnetic plane wave; *T-MTT* v19 n2 Feb 71 187-196 (2B10)
- Sharma, Arvind K., and Bharathi Bhat; Spectral domain analysis of elliptic microstrip disk resonators; *T-MTT* v28 n6 Jun 80 573-576
- Sharma, G. P., see Narayanan, K. G.; *T-MTT* v18 n6 Jun 70 322-323
- Sharma, M. G., see Kumar, Mahesh; *T-MTT* v26 n9 Sep 78 690-691 (1E08)
- Sharp, Eugene D., and Edward M. T. Jones; A sampling measurement of multimode waveguide power; *T-MTT* v10 n1 Jan 62 73-82
- Sharp, Eugene D.; A high-power wide-band waffle-iron filter; *T-MTT* v11 n2 Mar 63 111-116
- Sharp, Eugene D.; An exact calculation for a T-junction of rectangular waveguides having arbitrary cross sections; *T-MTT* v15 n2 Feb 67 109-116
- Sharp, Joseph C., H. Mark Grove, and Om P. Gandhi; Generation of acoustic signals by pulsed microwave energy (Ltr.); *T-MTT* v22 n5 May 74 583-584 (2C14)
- Sharpe, C. B., and D. S. Heim; A ferrite boundary-value problem in a rectangular waveguide; *T-MTT* v6 n1 Jan 58 42-46
- Sharpe, Charles B.; A graphical method for measuring dielectric constants at microwave frequencies; *T-MTT* v8 n2 Mar 60 155-159
- Sharpe, Charles B.; An equivalence principle for nonuniform transmission-line directional couplers; *T-MTT* v15 n7 Jul 67 398-405
- Sharpless, W. M.; A calorimeter for power measurements at millimeter wavelengths; *T-MTT* v2 n3 Sep 54 45-47
- Sharpless, W. M.; Gallium-arsenide point-contact diodes; *T-MTT* v9 n1 Jan 61 6-10
- Sharpless, W. M., see Dietrich, A. F.; *T-MTT* v12 n3 May 64 316-322
- Shaw, Don W., see Tserng, Hua Quen; *T-MTT* v26 n10 Oct 78 774-778 (1F02)
- Shaw, H. J., see Lakin, Kenneth M.; *T-MTT* v17 n11 Nov 69 912-920
- Shaw, H. J., see Smith, W. Richard; *T-MTT* v17 n11 Nov 69 1043-1044
- Shaw, H. J., see Kino, Gordon S.; *T-MTT* v21 n4 Apr 73 244-255 (2D05)
- Shaw, Herbert J., and Lester M. Winslow; A broad-band high-power vacuum window for X band; *T-MTT* v6 n3 Jul 58 326-330
- Shaw, Herbert J., see Elliott, Brian J.; *T-MTT* v9 n1 Jan 61 92-94
- Shaw, Herbert J., see Karp, Arthur; *T-MTT* v16 n10 Oct 68 818-828
- Shaw, Herbert J., see Smith, W. Richard; *T-MTT* v17 n11 Nov 69 856-864
- Shaw, Herbert J., see Smith, W. Richard; *T-MTT* v17 n11 Nov 69 865-873
- Shaw, J. A., see Beckman, J. E.; *T-MTT* v22 n12 Dec 74 1113-1114 (2C10)
- Shaw, N., see Baynham, A. C.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Shayda, Paul M., see Knorr, Jeffrey B.; *T-MTT* v28 n7 Jul 80 737-743
- Shefer, Joshua; Plane waves on a periodic structure of circular disks and their application to surface-wave antennas; *T-MTT* v10 n6 Nov 62 585-592
- Shefer, Joshua; Periodic cylinder arrays as transmission lines; *T-MTT* v11 n1 Jan 63 55-61
- Shefer, Joshua, see Nagelberg, Elliott R.; *T-MTT* v14 n8 Aug 66 391-396
- Sheffield, R. L., see Keilman, F.; *T-MTT* v22 n12 Dec 74 1118 (1D01)
- Sheikh, R. H., and M. W. Gunn; Wave propagation in a rectangular waveguide inhomogeneously filled with semiconductors (Corresp.); *T-MTT* v16 n2 Feb 68 117-121

- Sheingold, I. S., see Morita, T.; *T-MTT v1 n2 Nov 53* 17-23
- Sheleg, Boris, and Barry E. Spielman; Broad-band directional couplers using microstrip with dielectric overlays; *T-MTT v22 n12 Dec 74* 1216-1220 (4B01)
- Shelton, J. Paul, and Joseph A. Mosko; Synthesis and design of wide-band equal-ripple TEM directional couplers and fixed phase shifters; *T-MTT v14 n10 Oct 66* 462-473
- Shelton, J. Paul, Jr.; Impedances of offset parallel-coupled strip transmission lines; *T-MTT v14 n1 Jan 66* 7-15. Correction, May 66 249
- Shelton, Paul; Comments on 'Polarization transformation in twisted anisotropic media'; *T-MTT v14 n11 Nov 66* 579
- Shen, Hao-Ming; The resistive bifurcated parallel-plate waveguide; *T-MTT v28 n11 Nov 80* 1192-1198
- Shen, Liang C., see Lee, Chun C.; *T-MTT v25 n11 Nov 77* 931-933 (1E11)
- Shen, Liang Chi; Characteristics of propagating waves on Yagi-Uda structure; *T-MTT v19 n6 Jun 71* 536-542 (1D12)
- Sheppard, Albert P., see Bassett, Harold L.; *T-MTT v19 n2 Feb 71* 197-205 (2C08)
- Shi, Sang-Yung, see Felsen, Leopold B.; *T-MTT v23 n1 Jan 75* 150-161 (2E03)
- Shiau, Yih, and Richard F. H. Yang; Ridged circular waveguide (Short p.); *T-MTT v22 n2 Feb 74* 130-132
- Shiau, Yih; Dielectric rod antennas for millimeter-wave integrated circuits (Corresp.); *T-MTT v24 n11 Nov 76* 869-872 (3B03)
- Shibayama, Kimio, see Yamanouchi, Kazuhiko; *T-MTT v26 n4 Apr 78* 298-305 (1F06)
- Shibukawa, Masaru, see Tanaka, Kazumasa; *T-MTT v20 n11 Nov 72* 749-755 (1E01)
- Shigesawa, Hiroshi, Kei Takiyama, and Mamppei Nishimura; High-quality image reconstruction from double microwave holograms (Short p.); *T-MTT v24 n8 Aug 76* 529-531 (1C13)
- Shigesawa, Hiroshi, Toyoki Matsuo, and Kei Takiyama; Measurements of excitation condition and quantitative mode analysis in optical fibers; *T-MTT v26 n12 Dec 78* 992-997 (1E14)
- Shigesawa, Hiroshi, see Tsuji, Mikio; *T-MTT v27 n11 Nov 79* 873-878 (1A03)
- Shih, Yi-Chi, and Wolfgang J. R. Hoefer; The accuracy of TLM analysis of finned rectangular waveguides; *T-MTT v28 n7 Jul 80* 743-746
- Shih, Yi-Chi, and Wolfgang J. R. Hoefer; Dominant and second-order mode cutoff frequencies in fin lines calculated with a two-dimensional TLM program; *T-MTT v28 n12 Dec 80* 1443-1448
- Shimada, Sadakuni; A method of calculating the attenuation constants of the unwanted modes in mode filters using resistive sheets (Corresp.); *T-MTT v14 n3 Mar 66* 159-161
- Shimada, Sadakuni; Resonant cavity type mode transducer; *T-MTT v14 n8 Aug 66* 384-391
- Shimada, Sadakuni, Isao Ootomo, Sosuke Ishii, Kunio Ohi, and Hikaru Hirotsani; Millimeter-wave directional filter (Corresp.); *T-MTT v18 n1 Jan 70* 61-62
- Shimada, Sadakuni, see Ootomo, Isao; *T-MTT v19 n5 May 71* 481-484 (2B07)
- Shimada, Sadakuni, and Nobuo Suzuki; Semicircular waveguide-type duplexers used for the millimeter-wave waveguide transmission system; *T-MTT v22 n2 Feb 74* 111-118 (1C05)
- Shimada, Yuuki; Input impedance analysis of 1:1 balun; *T-MTT v18 n5 May 70* 264-269
- Shimamura, Tadao, N. Komiyama, Y. Takimoto, and M. Washio; 1.6-Gb/s 16-level superposed APSK modem with baseband signal processing coherent demodulator; *T-MTT v26 n12 Dec 78* 945-951 (1B09)
- Shimizu, J. K., see Jones, E. M. T.; *T-MTT v7 n1 Jan 59* 128-134
- Shimizu, James K., and Edward M. T. Jones; Coupled-transmission-line directional couplers; *T-MTT v6 n4 Oct 58* 403-410
- Shin, Sang-Yung, and Leopold B. Felsen; Multiply reflected Gaussian beams in a circular cross section; *T-MTT v26 n11 Nov 78* 845-851 (1A03)
- Shindo, Shuichi; Multiple branch-guide directional coupler using TE₀₁-d₀-d₁-mode semicircular waveguide (Short p.); *T-MTT v24 n8 Aug 76* 525-527 (1C09)
- Shindo, Shuichi, Isao Ohtomo, and Masaki Koyama; A 4-, 6-, 20-, and 30-GHz-band branching network using a multilayer dielectric filter for a satellite communication earth station; *T-MTT v24 n12 Dec 76* 953-958 (1D13)
- Shindo, Shuichi, and Takao Itanami; Low-loss rectangular dielectric image line for millimeter-wave integrated circuits; *T-MTT v26 n10 Oct 78* 747-751 (1D03)
- Shindo, Shuichi, see Itanami, Takao; *T-MTT v26 n10 Oct 78* 759-764 (1E01)
- Shinoda, Masaichi, see Ito, Yukio; *T-MTT v20 n12 Dec 72* 799-805 (1B10)
- Shipley, C. A.; Effect of 'ring resonance' in circulator time-delay circuit (Corresp.); *T-MTT v16 n3 Mar 68* 202-203
- Shirahata, K., see Kondo, A.; *T-MTT v22 n11 Nov 74* 970-972 (1E04)
- Shirahata, K., see Yahara, T.; *T-MTT v23 n3 Mar 75* 307-309 (1C13)
- Shirahata, Kiyoshi, and Daiji Taketomi; New design technique for stable wide-band tunnel-diode amplifier (Corresp.); *T-MTT v18 n1 Jan 70* 52-54
- Shirahata, Kiyoshi, see Okajima, Toru; *T-MTT v20 n12 Dec 72* 812-819 (1C11)
- Shnurer, Florian; Design of aperture-coupled filters; *T-MTT v5 n4 Oct 57* 238-243
- Shockey, T. D., C. R. Haden, and C. E. Lewis; Application of the point-matching method in determining the reflection and transmission coefficients in linearly tapered waveguides (Corresp.); *T-MTT v16 n8 Aug 68* 562-564
- Shockey, T. D., Jr., see Haden, C. R.; *T-MTT v14 n7 Jul 66* 347-349
- Shreve, William R., see Kino, Gordon S.; *T-MTT v21 n4 Apr 73* 244-255 (2D05)
- Shubert, Richard, and Jay H. Harris; Optical surface waves on thin films and their application to integrated data processors; *T-MTT v16 n12 Dec 68* 1048-1054
- Shubert, Richard, see Harris, Jay H.; *T-MTT v19 n3 Mar 71* 269-276 (1C01)
- Shuch, H. Paul; A cost-effective modular downconverter for S-band WEFAX reception (Short p.); *T-MTT v25 n12 Dec 77* 1127-1131 (2F03)
- Shulman, Carl; Conditions for maximum power transfer (Corresp.); *T-MTT v9 n5 Sep 61* 453-454
- Comments, *T-MTT v11 n2 Mar 63* 153-154
- Comments, *T-MTT v11 n5 Sep 63* 453
- Shur, Michael S., and Lester F. Eastman; Surface-oriented transferred-electron devices; *T-MTT v26 n12 Dec 78* 1023-1028 (2A07)
- Sichak, William, see Altman, Frederick J.; *T-MTT v3 n6 Dec 55* 22-26
- Sicotte, Raymond L., and Robert N. Assaly; Intermodulation product and switching noise amplitudes of a p-i-n diode switch in the UHF band (Corresp.); *T-MTT v18 n1 Jan 70* 48-50
- Sidhu, G. S., and O. P. Gandhi; A four-port waveguide junction circulator and effects of dielectric loading on its performance (Corresp.); *T-MTT v13 n3 May 65* 388-389
- Siegel, P. H., and A. R. Kerr; Computer analysis of microwave and millimeter-wave mixers (Computer program descr.); *T-MTT v28 n3 Mar 80* 275-276
- Siegmán, Anthony E., see Ho, Irving T.; *T-MTT v9 n6 Nov 61* 459-472
- Siekanowicz, W. W., and William A. Schilling; A new type of latching switchable ferrite junction circulator; *T-MTT v16 n3 Mar 68* 177-183
- Siekanowicz, Wieslaw W., Donald J. Blattner, Thomas E. Walsh, and Robert W. Paglione; A temperature-stable, fail-safe, latching ferrite TR switch; *T-MTT v17 n9 Sep 69* 712-717
- Siekanowicz, Wieslaw W., Robert W. Paglione, and Thomas E. Walsh; A latching ring-and-post ferrite waveguide circulator; *T-MTT v18 n4 Apr 70* 212-216
- Sievers, A. J., see Elsey, R. K.; *T-MTT v22 n12 Dec 74* 1117 (2C14)
- Sievers, A. J., see Draine, B. T.; *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Sigelmann, Rubens A., see Ho, Henry S.; *T-MTT v19 n2 Feb 71* 224-231 (2E11)
- Signon, Bernard E.; Frequency-versus-temperature stabilization in avalanche transit-time oscillators by use of diode parasitic elements (Corresp.); *T-MTT v18 n11 Nov 70* 971-973
- Silber, L., see Maher, B.; *T-MTT v9 n1 Jan 61* 96
- Silber, L. M., see Christopher, A.; *T-MTT v16 n5 May 68* 315-316
- Silber, L. M.; Ferromagnetic resonance in planar ferrites (Corresp.); *T-MTT v18 n1 Jan 70* 68
- Silberberg, Robert W., see Thompson, Edgar J.; *T-MTT v16 n11 Nov 68* 938-943
- Silver, Arnold H., see Vernon, Frank L., Jr.; *T-MTT v25 n4 Apr 77* 286-294 (1D06)
- Silver, E., see Brown, F.; *T-MTT v22 n12 Dec 74* 1117 (2C14)
- Silverstein, Joseph Dov, Michael E. Read, Kwo Ray Chu, and Adam T. Drobot; Practical considerations in the design of a high-power 1-mm gyrotron; *T-MTT v28 n9 Sep 80* 962-966
- Silvester, P.; A general high-order finite-element waveguide analysis program; *T-MTT v17 n4 Apr 69* 204-210
- Silvester, P., and Ivan A. Cermak; Analysis of coaxial line discontinuities by boundary relaxation; *T-MTT v17 n8 Aug 69* 489-495
- Silvester, P.; High-order finite element waveguide analysis; *T-MTT v17 n8 Aug 69* 651
- Silvester, P., see Cermak, I. A.; *T-MTT v17 n8 Aug 69* 652-653
- Silvester, P.; Biharmonic operators for the waveguide problem (Corresp.); *T-MTT v18 n1 Jan 70* 63-64
- Silvester, P., see Cermak, I. A.; *T-MTT v18 n2 Feb 70* 116
- Silvester, P.; Numerical formation of finite-difference operators (Corresp.); *T-MTT v18 n10 Oct 70* 740-743
- Silvester, P., see Csendes, Zoltan J.; *T-MTT v18 n12 Dec 70* 1124-1132
- Silvester, P., see Csendes, Zoltan J.; *T-MTT v19 n6 Jun 71* 504-509 (1B04)
- Silvester, P., see Csendes, Z.; *T-MTT v19 n9 Sep 71* 789 (1F03)
- Silvester, P., see Konrad, A.; *T-MTT v19 n12 Dec 71* 952-954 (2B01)
- Silvester, P., see Csendes, Zoltan J.; *T-MTT v20 n4 Apr 72* 294-295 (2F04)
- Silvester, P., see Benedek, Peter; *T-MTT v20 n8 Aug 72* 504-510 (1C02)
- Silvester, P., and Peter Benedek; Equivalent capacitances of microstrip open circuits; *T-MTT v20 n8 Aug 72* 511-516 (1C09)
- Silvester, P., see Benedek, Peter; *T-MTT v20 n11 Nov 72* 729-733 (1C05)
- Silvester, P., and Peter Benedek; Electrostatics of the microstrip—Revisited (Short p.); *T-MTT v20 n11 Nov 72* 756-758 (1E08)
- Silvester, P., and Zoltan J. Csendes; Numerical modeling of passive microwave devices; *T-MTT v22 n3 Mar 74* 190-201 (1C12)
- Silvester, P., and A. Konrad; Planar network analysis programs—PNAP1 and PNAP2 (Computer program descr.); *T-MTT v25 n11 Nov 77* 959 (2B02)
- Silvester, Peter, and Peter Benedek; Electrostatic microstrip analysis programs—MICRO and INFSTR (Computer program descr.); *T-MTT v21 n1 Jan 73* 63 (2C04)
- Silvester, Peter; Finite element analysis of planar microwave networks; *T-MTT v21 n2 Feb 73* 104-108 (1E02)
- Silvester, Peter, and Peter Benedek; Microstrip discontinuity capacitances for right-angle bends, T junctions, and crossings; *T-MTT v21 n5 May 73* 341-346. Correction, May 75 456 (1D07)
- Silvester, Peter, see Gopinath, A.; *T-MTT v21 n6 Jun 73* 380-386 (1C02)
- Silvey, William, see Stich, Malcolm L.; *T-MTT v8 n2 Mar 60* 218-221
- Simmons, Alan J.; Phase shift by periodic loading of waveguide and its application to broad-band circular polarization; *T-MTT v3 n6 Dec 55* 18-21
- Simmons, Alan J.; TE₀₁ mode components in the 3-mm region; *T-MTT v11 n5 Sep 63* 324-332
- Simon, Jean-Claude; Action of a progressive disturbance on a guided electromagnetic wave; *T-MTT v8 n1 Jan 60* 18-29
- Simon, Joseph W.; Broadband strip-transmission line Y-junction circulators; *T-MTT v13 n3 May 65* 335-345
- Simpson, T. L., see Thompson, J. E.; *T-MTT v26 n8 Aug 78* 573-580 (1E03)
- Simpson, Ted L., and Bangju Tseng; Dielectric loss in microstrip lines (Short p.); *T-MTT v24 n2 Feb 76* 106-108 (1C12)
- Singer, J. R.; A new automatic frequency regulation system (Corresp.); *T-MTT v8 n2 Mar 60* 249
- Singer, Jerome R.; Proposal for a tunable millimeter wave molecular oscillator and amplifier; *T-MTT v7 n2 Apr 59* 268-272
- Singh, A., and R. A. Rao; Theoretical evaluation of resonance frequencies in a cylindrical cavity with radial vanes (Corresp.); *T-MTT v9 n1 Jan 61* 101-102
- Singh, Amarjit; An improved method for the determination of *Q* of cavity resonators; *T-MTT v6 n2 Apr 58* 155-160
- Singh, D. N.; Comments on 'An analytical equivalent circuit representation for waveguide-mounted Gunn oscillators' by Jethwa, C. P., and Gunshor, R. L.; *T-MTT v21 n8 Aug 73* 569
- Singh, D. N.; Interdependence of gain and idler conversion loss in parametric amplifiers (Ltr.); *T-MTT v25 n7 Jul 77* 621-622 (1E01)
- Singh, J. P., see Risch, Craig O.; *T-MTT v23 n4 Apr 75* 348-353 (1B12)
- Singh, Nagendra, see Shamasundara, S. D.; *T-MTT v25 n3 Mar 77* 232-233 (1E10)
- Singh, V. P., see Malaviya, Shashi D.; *T-MTT v27 n10 Oct 79* 854-859 (1C04)
- Singletary, J., see Kim, John R.; *T-MTT v19 n3 Mar 71* 331-332 (2C05)
- Singletary, J., Jr.; Fringing capacitance in strip-line coupler design (Corresp.); *T-MTT v14 n8 Aug 66* 398. Correction, Mar 67 200
- Sinha, J. K.; Two partially filled cavity-resonator techniques for the evaluation of scalar permittivity and permeability of ferrites (Corresp.); *T-MTT v15 n9 Sep 67* 523-525
- Sinha, Sidhartha K., and Kenneth P. Weller; Coupled TEM microstrip impedance transformer for S-band TRAPATT amplifiers; *T-MTT v28 n2 Feb 80* 119-125
- Sinnott, D. H.; Applications of the numerical solution to Laplace's equation in three dimensions (Corresp.); *T-MTT v16 n2 Feb 68* 135-136
- Sinnott, D. H.; Upper and lower bounds on the characteristic impedance of TEM-mode transmission lines with curved boundaries (Corresp.); *T-MTT v16 n11 Nov 68* 971-972
- Sinnott, Donald H.; The use of interpolation in improving finite difference solutions of TEM mode structures; *T-MTT v17 n1 Jan 69* 20-28

- Sinnott, Donald H.**, Gregory K. Cambrell, Cyril T. Carson, and Harry E. Green; The finite difference solution of microwave circuit problems; *T-MTT v17 n8 Aug 69* 464-478
- Sinnott, Donald H.**; Calculation of TEM transmission-line parameters by finite-difference computation of electric flux (Corresp.); *T-MTT v17 n8 Aug 69* 634-637
- Sirkis, M. D.**, and C. S. Kim; A wall-current detector for use with beam waveguides (Corresp.); *T-MTT v11 n6 Nov 63* 552
- Sirkis, M. D.**, see Degenford, J. E.; *T-MTT v11 n6 Nov 63* 553
- Sirkis, Murray D.**; Application of perturbation theory to the calculation of ω - β characteristics for periodic structures (Corresp.); *T-MTT v8 n2 Mar 60* 251-252
- Sirkis, Murray D.**, see Degenford, James E.; *T-MTT v12 n4 Jul 64* 445-453
- Sirvetz, Marshall H.**, see Schulz-DuBois, Erich O.; *T-MTT v6 n4 Oct 58* 423-428
- Sirvetz, Marshall H.**, see Schlömann, Ernst; *T-MTT v8 n1 Jan 60* 96-100
- Sisodia, M. L.**, and O. P. Gandhi; Octave bandwidth L- and S-band stripline discriminators (Corresp.); *T-MTT v15 n4 Apr 67* 271-272
- Sivertsen, S.**, see Corsi, S.; *T-MTT v22 n12 Dec 74* 1036-1041 (1E02)
- Sivertsen, S.**, see Dall'Oglio, G.; *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Sweris, H. J.**; Slot-line parameters (Computer program descr.); *T-MTT v28 n2 Feb 80* 153
- Sjölund, Anders**, see Nygren, Thorsten; *T-MTT v22 n5 May 74* 494-498 (1B02)
- Skeie, Halvor**; Nonreciprocal coupling with single-crystal ferrites; *T-MTT v12 n6 Nov 64* 587-594
- Skewes, G. W.**, see Lindauer, G. A.; *T-MTT v22 n8 Aug 74* 790-793 (1C08)
- Skomal, E. N.**; A high average power broad-band ferrite load isolator for S Band (Corresp.); *T-MTT v7 n1 Jan 59* 174-175
- Skomal, Edward N.**; Theory of operation of a 3-port Y-junction ferrite circulator; *T-MTT v1 n2 Mar 63* 117-122
- Skudera, William, Jr.**, Robert H. Sproat, Isidore Bady, and Emanuel Gikow; A two-port magnetoelastic delay line in the UHF region; *T-MTT v15 n2 Feb 67* 96-100
- Sladek, Norbert J.**, see Adam, Stephen F.; *T-MTT v24 n12 Dec 76* 995-997 (2B10)
- Slaymaker, Nicholas A.**, R. A. Soares, and James A. Turner; GaAs MESFET small-signal X-band amplifiers; *T-MTT v24 n6 Jun 76* 329-337 (1D13)
- Sleeper, George B., Jr.**; An improved mode-selecting coupler (Corresp.); *T-MTT v12 n3 May 64* 362-363
- Sleven, Robert L.**, see Taub, Jesse J.; *T-MTT v13 n5 Sep 65* 589-616
- Sleven, Robert L.**, see Rubinstein, Irving; *T-MTT v17 n12 Dec 69* 1108-1115
- Sloan, Sandy C., Jr.**, see Grimes, E. S., Jr.; *T-MTT v8 n5 Sep 60* 489-492
- Slobodnik, Andrew J., Jr.**, and Thomas L. Szabo; Design of optimum acoustic surface wave delay lines at microwave frequencies (Short p.); *T-MTT v22 n4 Apr 74* 458-462 (2D06)
- Smilowitz, B.**, see Porter, W. A.; *T-MTT v22 n10 Oct 74* 894-896 (1D06)
- Smilowitz, Bernard**, see Smith, Thane; *T-MTT v22 n12 Dec 74* 1331-1333 (5D09)
- Smirnov, A. Ya.**, see Vystavkin, A. N.; *T-MTT v22 n12 Dec 74* 1041-1046 (1E07)
- Smith, A. B.**; Band ultrasonic delay line using mode conversion in YAG (Corresp.); *T-MTT v18 n10 Oct 70* 733-734
- Smith, Alan B.**; L-band variable-delay-time YIG-YAG-YIG and YAG-YIG-YAG delay lines; *T-MTT v17 n11 Nov 69* 997-1001
- Smith, Charles E.**, and Ray-Sun Chang; Microstrip transmission line with finite-width dielectric; *T-MTT v28 n2 Feb 80* 90-94
- Smith, D. M.**; Relative humidity effects in microwave resonators (Corresp.); *T-MTT v15 n8 Aug 67* 480-482
- Smith, Glenn S.**; The electric-field probe near a material interface with application to the probing of fields in biological bodies; *T-MTT v27 n3 Mar 79* 270-278 (1D14)
- Smith, Glenn S.**, and John D. Nordgard; On the design and optimization of the shielded-pair transmission line; *T-MTT v28 n8 Aug 80* 887-893
- Smith, Henry L.**, see Williamson, Richard C.; *T-MTT v21 n4 Apr 73* 195-205 (1E01)
- Smith, Howard B., Jr.**, see Kaiser, Julius A., Jr.; *T-MTT v10 n6 Nov 62* 548-550
- Smith, J. M.**; A property of symmetric hybrid waveguide junctions (Corresp.); *T-MTT v8 n2 Mar 60* 253
- Smith, John I.**; The even- and odd-mode capacitance parameters for coupled lines in suspended substrate; *T-MTT v19 n5 May 71* 424-431 (1B04)
- Smith, Joseph G.**, see De Gruyl, Johannes A.; *T-MTT v16 n9 Sep 68* 586-595
- Smith, P. H.**, and G. H. Mongold; A high-power rotary waveguide joint; *T-MTT v12 n1 Jan 64* 55-58
- Smith, Rene E.**, see Upadhyayula, Chainulu L.; *T-MTT v24 n12 Dec 76* 920-926 (1B08)
- Smith, Richard G.**, see Pantell, Richard H.; *T-MTT v11 n5 Sep 63* 317-324
- Smith, T.**, see Fleming, Paul L.; *T-MTT v27 n12 Dec 79* 1032-1035 (2A11)
- Smith, Thane**, Bernard Smilowitz, Gerald Irvin, and Richard Kaminsky; An IMPATT pump for a low-noise parametric amplifier (Short p.); *T-MTT v22 n12 Dec 74* 1331-1333 (5D09)
- Smith, Vernon**, see Baker, Robert J.; *T-MTT v26 n8 Aug 78* 541-545 (1B13)
- Smith, W. R.**, and H. M. Gerard; Differences between in-line and crossed-field three-port circuit models for interdigital transducers (Corresp.); *T-MTT v19 n4 Apr 71* 416-417 (2C12)
- Smith, W. Richard**, Henry M. Gerard, Jeffrey H. Collins, Thomas M. Reeder, and Herbert J. Shaw; Analysis of interdigital surface wave transducers by use of an equivalent circuit model; *T-MTT v17 n11 Nov 69* 856-864
- Smith, W. Richard**, Henry M. Gerard, Jeffrey H. Collins, Thomas M. Reeder, and Herbert J. Shaw; Design of surface wave delay lines with interdigital transducers; *T-MTT v17 n11 Nov 69* 865-873
- Smith, W. Richard**, Thomas M. Reeder, J. H. Collins, H. J. Shaw, and W. W. Hansen; Dispersive Rayleigh wave delay line utilizing gold on lithium niobate (Corresp.); *T-MTT v17 n11 Nov 69* 1043-1044
- Smith, W. Richard**, Henry M. Gerard, and William R. Jones; Analysis and design of dispersive interdigital surface-wave transducers; *T-MTT v20 n7 Jul 72* 458-471 (1D12)
- Smith, W. Richard**, see Gerard, Henry M.; *T-MTT v21 n4 Apr 73* 176-186 (1C06)
- Smith, W. Richard**; Experimental distinction between crossed-field and in-line three-port circuit models for interdigital transducers (Short p.); *T-MTT v22 n11 Nov 74* 960-964 (1D08)
- Smith, W. Richard**, and William F. Pedler; Fundamental- and harmonic-frequency circuit-model analysis of interdigital transducers with arbitrary metalization ratios and polarity sequences; *T-MTT v23 n11 Nov 75* 853-864. Correction, *Jul 76* 487 (1A03)
- Smith, W. T.**, see Strauch, R. G.; *T-MTT v13 n4 Jul 65* 473-474
- Smolarska, Jadwiga**; Characteristic impedances of the slotted coaxial line; *T-MTT v6 n2 Apr 58* 161-166
- Smolinsky, Gerald**, see Tien, P. K.; *T-MTT v23 n1 Jan 75* 79-85 (1F11)
- Smoll, Allen E.**, see Green, Peter E.; *T-MTT v17 n8 Aug 69* 527-533
- Smullin, Louis D.**, see Bahiana, Luiz C.; *T-MTT v8 n4 Jul 60* 454-458
- Smythe, R. C.**; On incidental dissipation in high-pass and band-stop filters (Corresp.); *T-MTT v14 n4 Apr 66* 208-209
- Snapp, Craig P.**, see Pfund, George; *T-MTT v22 n12 Dec 74* 1134-1140 (2B02)
- Snapp, Craig P.**, see Chen, James T. C.; *T-MTT v27 n5 May 79* 423-430 (1E05)
- Snell, William W., Jr.**, see Schneider, Martin V.; *T-MTT v23 n3 Mar 75* 271-275 (1A05)
- Snell, William W., Jr.**, see Glance, Bernard S.; *T-MTT v24 n10 Oct 76* 648-650 (1B06)
- Snell, William W., Jr.**, and Martin V. Schneider; Millimeter-wave thin-film downconverter; *T-MTT v24 n11 Nov 76* 804-806 (2C09)
- Snell, William W., Jr.**, see McMaster, Thomas F.; *T-MTT v24 n12 Dec 76* 948-952 (1D08)
- Snider, David M.**; A one-watt CW high-efficiency X-band avalanche-diode amplifier (Corresp.); *T-MTT v18 n11 Nov 70* 963-967
- Snieder, J.**, see Hudson, Andrew S.; *T-MTT v19 n1 Jan 71* 119-120 (3B08)
- Snyder, Allan W.**; Asymptotic expressions for eigenfunctions and eigenvalues of a dielectric or optical waveguide; *T-MTT v17 n12 Dec 69* 1130-1138
- Snyder, Allan W.**; Excitation and scattering of modes on a dielectric or optical fiber; *T-MTT v17 n12 Dec 69* 1138-1144
- Snyder, Allan W.**; Coupling of modes on a tapered dielectric cylinder; *T-MTT v18 n7 Jul 70* 383-392
- Snyder, Allan W.**; Radiation losses due to variations of radius on dielectric or optical fibers; *T-MTT v18 n9 Sep 70* 608-615
- Snyder, Allan W.**, and Richard De La Rue; Asymptotic solution of eigenvalue equations for surface waveguide structures (Corresp.); *T-MTT v18 n9 Sep 70* 650-651
- Snyder, Allan W.**; Propagation in a nonuniform cylindrical medium (Corresp.); *T-MTT v19 n4 Apr 71* 402-403 (2B10)
- Snyder, Allan W.**; Continuous mode spectrum of a circular dielectric rod; *T-MTT v19 n8 Aug 71* 720-727 (1F02)
- Snyder, Allan W.**, and John D. Love; Reflection at a curved dielectric interface—Electromagnetic tunneling; *T-MTT v23 n1 Jan 75* 134-142 (2D01)
- Snyder, Lewis E.**; Molecular millimeter wave astronomy (Short p.); *T-MTT v22 n12 Dec 74* 1299-1300 (5B05)
- Snyder, Richard V.**; A new microwave low-pass structure (Corresp.); *T-MTT v16 n4 Apr 68* 262-264
- Snyder, Richard V.**; New application of evanescent mode waveguide to filter design; *T-MTT v25 n12 Dec 77* 1013-1021 (1D09)
- Snyder, Richard V., Jr.**, and David L. Bozarth; Analysis and design of a microwave transistor active filter; *T-MTT v18 n1 Jan 70* 2-9
- So, V. C. Y.**, see Teh, G. A.; *T-MTT v27 n3 Mar 79* 265-266 (1D09)
- Soares, R. A.**, see Slaymaker, Nicholas A.; *T-MTT v24 n6 Jun 76* 329-337 (1D13)
- Sobel, F.**, see King, D. D.; *T-MTT v12 n2 Mar 64* 256
- Sobel, Frederick**, Frederick L. Wentworth, and James C. Wiltse; Quasi-optical surface waveguide and other components for 100- to 300-Gc region; *T-MTT v9 n6 Nov 61* 512-518
- Sobhy, M. I.**, and M. Safi; The design of a class of microwave filters using lumped and distributed elements; *T-MTT v25 n12 Dec 77* 1037-1041 (1F05)
- Sobhy, Mohamed I.**, and Magdy H. Keriakos; Computer-aided analysis and design of networks containing commensurate and noncommensurate delay lines; *T-MTT v28 n4 Apr 80* 348-358
- Sobol, H.**, and John J. Hughes; Measurement of the permittivity of insulating films at microwave frequencies (Corresp.); *T-MTT v15 n6 Jun 67* 377-378
- Sobol, H.**; Radiation conductance of open-circuit microstrip (Corresp.); *T-MTT v19 n11 Nov 71* 885-887 (1E09)
- Sobol, H.**; 1979 MTT awards; *T-MTT v28 n12 Dec 80* 1410-1412
- Sobol, Harold**; The 1970 G-MTT National Lectureship; *T-MTT v18 n12 Dec 70* 1020-1021
- Sobol, Harold**; A microwave hybrid with impedance transforming properties (Corresp.); *T-MTT v19 n9 Sep 71* 774-776 (1D12)
- Sodha, M. S.**, and N. C. Srivastava; Differential phase shift at microwave frequencies using planar ferrites (Short p.); *T-MTT v24 n4 Apr 76* 215-216 (1D11)
- Sodi, Cesare M.**, see D'Inzeo, Guglielmo; *T-MTT v26 n7 Jul 78* 462-471 (1A08)
- Sodomsky, Kenneth F.**, see Kruppa, W.; *T-MTT v19 n1 Jan 71* 122-123 (2B11)
- Sohn, Jerome**, see Epstein, Richard; *T-MTT v16 n1 Jan 68* 54-55
- Sokolov, J.**; Below resonance operation of the strip line Y-circulator (Corresp.); *T-MTT v12 n5 Sep 64* 568-569
- Sokolov, Vladimir**, see Tserng, Hua Quen; *T-MTT v24 n12 Dec 76* 936-943 (1C10)
- Sokolov, Vladimir**, Mooshi R. Namordi, and Fredrich H. Doerbeek; A 4-W 56-dB gain, microstrip amplifier at 15 GHz utilizing GaAs FETs and IMPATT diodes; *T-MTT v27 n12 Dec 79* 1058-1065 (2C09)
- Sokullu, A. M.**, see Lazarus, Max; *T-MTT v23 n8 Aug 75* 700-703 (2A04)
- Solbach, Klaus**; The fabrication of dielectric image lines using casting resins and the properties of the lines in the millimeter-wave range (Corresp.); *T-MTT v24 n11 Nov 76* 879-881 (3B13)
- Solbach, Klaus**, and Ingo Wolff; The electromagnetic fields and the phase constants of dielectric image lines; *T-MTT v26 n4 Apr 78* 266-274 (1D02)
- Solbach, Klaus**; Electric probe measurements on dielectric image lines in the frequency range of 26-90 GHz; *T-MTT v26 n10 Oct 78* 755-758 (1D11)
- Solbach, Klaus**; The measurement of the radiation losses in dielectric image line bends and the calculation of a minimum acceptable curvature radius; *T-MTT v27 n1 Jan 79* 51-53 (1D11)
- Solbach, Klaus**; The calculation and the measurement of the coupling properties of dielectric image lines of rectangular cross section; *T-MTT v27 n1 Jan 79* 54-58 (1D14)
- Solomon, Arthur H.**, Guest ed.; Introduction; *T-MTT v18 n11 Nov 70* 750-751
- Solymar, L.**; Some notes on the optimum design of stepped transmission-line transformers; *T-MTT v6 n4 Oct 58* 374-378
- Solymar, L.**; Spurious mode generation in nonuniform waveguide; *T-MTT v7 n3 Jul 59* 379-383
- Solymar, L.**, and C. C. Eaglesfield; Design of mode transducers; *T-MTT v8 n1 Jan 60* 61-65
- Solymar, L.**, see Tien, P. K.; *T-MTT v12 n5 Sep 64* 547-548
- Solymar, Laszlo**; Some properties of three coupled waves; *T-MTT v8 n3 May 60* 284-291
- Someda, Carlo Giacomo**, see Mastellari, G. Antonio; *T-MTT v20 n1 Jan 72* 17-21 (1C07)
- Someda, Carlo Giacomo**, see Falciasacca, G.; *T-MTT v21 n3 Mar 73* 154 (1D12)
- Somervuo, P.**, see Porra, V.; *T-MTT v16 n10 Oct 68* 880-882

- Someya, Isao; Report of advances in microwave theory and techniques in Japan—1958; *T-MTT v7 n3 Jul 59* 331
- Somlo, P. I.; Calculating coaxial transmission-line step capacitance (Corresp.); *T-MTT v11 n5 Sep 63* 454
- Somlo, P. I.; Some aspects of the measurement of the Q factor of transmission lines; *T-MTT v11 n6 Nov 63* 472-478
- Somlo, P. I.; The computation of coaxial line step capacitances; *T-MTT v15 n1 Jan 67* 48-53
- Somlo, P. I., and D. L. Hollway; The Australian National Standards Laboratory X -band radiometer for the calibration of noise sources; *T-MTT v16 n9 Sep 68* 664-669. Correction, Mar 69 174
- Somlo, P. I., see Hollway, D. L.; *T-MTT v17 n4 Apr 69* 185-188
- Somlo, P. I., D. L. Hollway, and I. G. Morgan; The absolute calibration of periodic microwave phase shifters without a standard phase shifter; *T-MTT v20 n8 Aug 72* 532-537 (1E06)
- Somlo, P. I.; Comments on 'Transmission line impedance matching using the Smith chart' by Arnold, R. M.; *T-MTT v23 n8 Aug 75* 715
- Somlo, Peter I.; A logarithmic transmission line chart (Corresp.); *T-MTT v8 n4 Jul 60* 463
- Somlo, Peter I.; Measurement of impedance at frequencies above 300 Mc (Corresp.); *T-MTT v11 n1 Jan 63* 87-88
- Somlo, Peter I.; The locating reflectometer; *T-MTT v20 n2 Feb 72* 105-112
- Somlo, Peter I.; The exact numerical evaluation of the complex dielectric constant of a dielectric partially filling a waveguide (Ltr.); *T-MTT v22 n4 Apr 74* 468-469 (2E02)
- Somlo, Peter I., see Hollway, D. L.; *T-MTT v22 n5 May 74* 560-561 (2B05)
- Somlo, Peter I., and I. G. Morgan; A side-arm-switched directional coupler as a single-step attenuator of high long-term stability; *T-MTT v22 n9 Sep 74* 830-835 (1A12)
- Somlo, Peter I.; Band-limited deconvolution of locating reflectometer results; *T-MTT v27 n2 Feb 79* 128-135 (1C10)
- Somlo, Peter I.; The effect of flange loss on the reflection coefficient of reduced-height waveguide reflection standards; *T-MTT v27 n9 Sep 79* 795-797 (1C01)
- Sommers, Donald J.; Slot array employing photoetched tri-plate transmission lines; *T-MTT v3 n2 Mar 55* 157-162
- Soned, C. G., see Falciaesca, G.; *T-MTT v21 n3 Mar 73* 154
- Song, Bang-Sup, see Itoh, Tatsuo; *T-MTT v27 n12 Dec 79* 1019-1022 (1G11)
- Song Lint, B. Chan, and A. Priou; Characterization of magnetic materials in the millimeter-wave range (60-90 GHz) (Corresp.); *T-MTT v24 n11 Nov 76* 883-886 (3C03)
- Soohoo, R. F., see Kaufman, I.; *T-MTT v13 n5 Sep 65* 703-704
- Soohoo, Ronald F.; A ferrite cutoff switch; *T-MTT v7 n3 Jul 59* 332-336
- Soohoo, Ronald F.; Theory of dielectric-loaded and tapered-field ferrite devices; *T-MTT v9 n3 May 61* 220-224
- Soohoo, Ronald F., see Kaufman, Irving; *T-MTT v13 n4 Jul 65* 458-467
- Soorsoorian, Souren A., see Goldstein, Irving; *T-MTT v8 n3 May 60* 372-375
- Sopori, B. L., William S. C. Chang, and R. Vann; Low-loss two-dimensional GaAs epitaxial waveguides at 10.6- μ m wavelength (Ltr.); *T-MTT v22 n7 Jul 74* 754-755 (1D06)
- Sorensen, Carrol C., see Guy, Arthur W.; *T-MTT v26 n8 Aug 78* 550-556 (1C08)
- Sorensen, Hans O., see Cowley, A. Michael; *T-MTT v14 n12 Dec 66* 588-602
- Sorensen, Thomas P., see Ristic, Velimir M.; *T-MTT v26 n5 May 78* 369-374 (1D09)
- Sorrentino, Roberto, see Lampariello, Paolo; *T-MTT v23 n5 May 75* 457-458 (1E03)
- Sorrentino, Roberto; Exact analysis of rectangular waveguides inhomogeneously filled with a transversely magnetized semiconductor; *T-MTT v24 n4 Apr 76* 201-208 (1C11)
- Sorrentino, Roberto, see Bernardi, Paolo; *T-MTT v24 n9 Sep 76* 621-625 (1F07)
- Sorrentino, Roberto, see D'Inzeo, Guglielmo; *T-MTT v26 n7 Jul 78* 462-471 (1A08)
- Sorrentino, Roberto, see D'Inzeo, Guglielmo; *T-MTT v28 n10 Oct 80* 1107-1113
- Southworth, George Clark; The challenge; *T-MTT v3 n1 Jan 55* 2-3
- Spaderna, Conan H.; A new formula for attenuation in coaxial cables (Corresp.); *T-MTT v12 n3 May 64* 363-364
- Sparks, R. A.; A technique for obtaining dc isolation in coaxial cable RF transmission lines (Corresp.); *T-MTT v9 n4 Jul 61* 360
- Sparks, R. A., and E. L. Higgins; Characteristics of transient parametric amplification of elastic waves in YIG (Corresp.); *T-MTT v13 n6 Nov 65* 879-880
- Sparrow, Lawrence R., see Lee, Young Soo; *T-MTT v27 n7 Jul 79* 655-660 (1C01)
- Spaulding, William G.; The application of periodic loading to a ferrite phase shifter design; *T-MTT v19 n12 Dec 71* 922-928 (1D06)
- Speciale, Ross A.; Even- and odd-mode waves for nonsymmetrical coupled lines in nonhomogeneous media; *T-MTT v23 n11 Nov 75* 897-907 (1D05)
- Speciale, Ross A.; A generalization of the TSD network-analyzer calibration procedure, covering n -port scattering-parameter measurements, affected by leakage errors; *T-MTT v25 n12 Dec 77* 1100-1115 (2D04)
- Spencer, E. G., see Sansalone, F. J.; *T-MTT v9 n3 May 61* 272-273
- Spencer, Edward G., see Garver, Robert V.; *T-MTT v6 n4 Oct 58* 378-383
- Spencer, Nicholas W., see Arain, Mohammad H.; *T-MTT v23 n12 Dec 75* 1064-1067 (2C01)
- Sperry, W. R., E. K. Kirchner, and T. M. Reeder; Wide-band microwave acoustic delay line with exceptionally smooth phase and loss response (Corresp.); *T-MTT v19 n12 Dec 71* 945-947 (1F05)
- Sperry, William R., see Reeder, Thomas M.; *T-MTT v20 n7 Jul 72* 453-458 (1D07)
- Spielman, Barry E., and Roger F. Harrington; Waveguides of arbitrary cross section by solution of a nonlinear integral eigenvalue equation; *T-MTT v20 n9 Sep 72* 578-585 (1C04)
- Spielman, Barry E., see Sheleg, Boris; *T-MTT v22 n12 Dec 74* 1216-1220 (4B01)
- Spielman, Barry E.; Dissipation loss effects in isolated and coupled transmission lines; *T-MTT v25 n8 Aug 77* 648-656 (1B06)
- Spielman, Barry E., see Ganguly, Achintya K.; *T-MTT v25 n12 Dec 77* 1138-1141 (2F14)
- Spielman, Barry E., Guest ed.; Editor's overview; *T-MTT v28 n12 Dec 80* 1401
- Spitzer, R., see Schneider, S.; *T-MTT v25 n6 Jun 77* 551-555 (2B10)
- Spiwak, R. R.; A step-iris resonator for LSA operation (Corresp.); *T-MTT v18 n11 Nov 70* 973-975
- Spiwak, Robert R.; A low-inductance millimeter-wave semiconductor package (Corresp.); *T-MTT v19 n8 Aug 71* 732-733 (2B05)
- Sprangle, P., and A. T. Drobot; The linear and self-consistent nonlinear theory of the electron cyclotron maser instability; *T-MTT v25 n6 Jun 77* 545-550 (2A01)
- Sprangle, P., see Granatstein, V. L.; *T-MTT v25 n6 Jun 77* 545-550 (2B04)
- Sprangle, Phillip, see Chu, Kwo Ray; *T-MTT v28 n4 Apr 80* 313-317
- Sproat, Robert H., see Skudera, William, Jr.; *T-MTT v15 n2 Feb 67* 96-100
- Spruch, Larry, see Aronson, Irving; *T-MTT v18 n10 Oct 70* 725-731
- Spuhler, H. A., R. J. Kenyon, and P. D. Coleman; Feeding RF power from a self-excited, pulsed source into a high- Q resonant load (Corresp.); *T-MTT v7 n3 Jul 59* 391
- Squire, William D., Harper J. Whitehouse, and James M. Alsop; Linear signal processing and ultrasonic transversal filters; *T-MTT v17 n11 Nov 69* 1020-1040
- Srinivasan, Thandangorai V., see Bandler, John W.; *T-MTT v20 n9 Sep 72* 596-604 (1D10)
- Srinivasan, Thandangorai V., see Bandler, John W.; *T-MTT v20 n11 Nov 72* 784-785 (2C03)
- Srinivasan, Thandangorai V., see Bandler, John W.; *T-MTT v21 n6 Jun 73* 433 (2C10)
- Srivastava, G. P., see Jain, A. K.; *T-MTT v21 n7 Jul 73* 482-483 (2B01)
- Srivastava, G. P., P. C. Mathur, and Anil Kumar; Waveguide interferometer for measuring electric susceptibility in gases (Short p.); *T-MTT v24 n1 Jan 76* 56-57 (1E02)
- Srivastava, N. C., see Sodha, M. S.; *T-MTT v24 n4 Apr 76* 215-216 (1D11)
- Srivastava, N. C.; Surface wave propagation through a small gap between oppositely magnetized ferrite substrates; *T-MTT v26 n3 Mar 78* 213-215 (1F09)
- Srivastava, Neeraj C.; Propagation of magnetostatic waves along curved ferrite surfaces; *T-MTT v26 n4 Apr 78* 252-256 (1C02)
- Srivastava, Neeraj C., see Gupta, Shanti S.; *T-MTT v28 n8 Aug 80* 915-919
- Stachera, Henryk, see Mathews, Neville A.; *T-MTT v22 n2 Feb 74* 103-110 (1B11)
- Stachera, Henryk, see Mathews, Neville A.; *T-MTT v22 n2 Feb 74* 140-142 (1E06)
- Stafford, J. J., see Likuski, R. K.; *T-MTT v14 n1 Jan 66* 40-41
- Stancliff, Roger B., see Basawaptna, Ganesh R.; *T-MTT v27 n5 May 79* 379-385 (1B03)
- Standley, R. D.; Millimeter wavelength duplexing filters utilizing circular TE₀₁₁ mode resonators (Corresp.); *T-MTT v16 n1 Jan 68* 50-51
- Standley, R. D., and F. A. Braun; Experimental results on a millimeter wave microstrip down-converter (Corresp.); *T-MTT v18 n4 Apr 70* 232-233
- Standley, Robert D.; Frequency response of strip-line traveling-wave directional filters (Corresp.); *T-MTT v11 n4 Jul 63* 264-265
- Standley, Robert D.; A note on strip-line band-stop filters with narrow stop bands (Corresp.); *T-MTT v11 n6 Nov 63* 548-549
- Standley, Robert D., and A. C. Todd; Discontinuity effects in single resonator traveling wave filters (Corresp.); *T-MTT v11 n6 Nov 63* 551-552
- Standley, Robert D.; A time-delay equalizer using directional filter cascades (Corresp.); *T-MTT v19 n5 May 71* 497-498 (2C11)
- Stanford, A. L., see Amoss, John W.; *T-MTT v13 n6 Nov 65* 789-793
- Stanforth, A.; A broad-band crystal mount 10.5 kmc to 20 kmc (Corresp.); *T-MTT v8 n4 Jul 60* 464-465
- Stanforth, Allan, and John H. Craven; Improvement in the square law operation of 1N23B crystals from 2 to 11 kmc; *T-MTT v8 n1 Jan 60* 111-115
- Stannard, J.; Surface channel detection of millimeter waves in InSb (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1118 (2D01)
- Stapelfeldt, Roeliff, and Frederick J. Young; The short pulse behavior of lossy tapered transmission lines; *T-MTT v9 n4 Jul 61* 290-296
- Staples, Edward J., and Lewis T. Claiborne; A review of device technology for programmable surface-wave filters; *T-MTT v21 n4 Apr 73* 279-287 (3B08)
- Stark, Louis; Design of a coaxial hybrid junction; *T-MTT v9 n2 Mar 61* 124-129
- Starski, J. Piotr; Optimization of the matching network for a hybrid-coupled phase shifter; *T-MTT v25 n8 Aug 77* 662-666 (1C06). Correction, *T-MTT v26 n4 Apr 78* 315 (2A02)
- Statz, Hermann, see Haus, Hermann A.; *T-MTT v19 n10 Oct 71* 801-813 (1B11)
- St. Clair, Maurice W.; Determination of the parameters of cavities terminating transmission lines (Corresp.); *T-MTT v4 n3 Jul 56* 184
- Steele, Charles W.; A nonresonant perturbation theory; *T-MTT v14 n2 Feb 66* 70-74. Correction, Sep 66 436
- Steele, S. R., see Wallace, R. N.; *T-MTT v24 n7 Jul 76* 483-485 (2B14)
- Steen, M. M., see Jull, E. V.; *T-MTT v17 n7 Jul 69* 397-399
- Steenaaert, Willem; A note on the synthesis of coupled-line directional couplers and all-pass networks (Corresp.); *T-MTT v16 n8 Aug 68* 554-555
- Steenaaert, Willem, and R. Jay Murphy; Design of commensurate transmission-line circuits; *T-MTT v17 n12 Dec 69* 1115-1122
- Steenaaert, Willem, see Nalbandian, Vahakn; *T-MTT v20 n9 Sep 72* 573-578 (1B11)
- Steenaaert, Willem; Editor's overview; *T-MTT v26 n12 Dec 78* 926 (1A04)
- Steenaaert, Willem, and Roy VanKoughnett; 1978 International Microwave Symposium; *T-MTT v26 n12 Dec 78* 927-931 (1A05)
- Steenaaert, Willem J. D.; The synthesis of coupled transmission line all-pass networks in cascades of 1 to n ; *T-MTT v11 n1 Jan 63* 23-29
- Stegeman, G. L., see Teh, G. A.; *T-MTT v27 n3 Mar 79* 265-266 (1D09)
- Stegen, R. J., and Alvin Clavin; On a variable impedance termination for testing high power components (Corresp.); *T-MTT v4 n1 Jan 56* 54
- Stegen, R. J.; Simplified determination of impedances of Chebyshev transformers (Corresp.); *T-MTT v14 n7 Jul 66* 354
- Steier, William H., and Irving Kaufman; A plasma guide microwave selective coupler; *T-MTT v9 n6 Nov 61* 499-506
- Steier, William H., see Kaufman, Irving; *T-MTT v10 n6 Nov 62* 431-439
- Steier, William H., see Degenford, James E.; *T-MTT v12 n4 Jul 64* 445-453
- Steier, William H.; Measurements on a thermal gradient gas lens; *T-MTT v13 n6 Nov 65* 740-748
- Steier, William H.; Some characteristics of alternating gradient optical transmission lines; *T-MTT v14 n5 May 66* 228-233
- Steinberg, Richard; Pulse propagation in multimode fibers with frequency-dependent coupling; *T-MTT v23 n1 Jan 75* 121-122 (2C02)
- Steinberg, Richard; Optical fibers with coupled dispersive modes; *T-MTT v23 n9 Sep 75* 721-724 (1A03)
- Steinberg, Ronald F., see Rupprecht, Georg; *T-MTT v17 n11 Nov 69* 942-956
- Steinbrecher, Donald H.; An interesting impedance matching network (Corresp.); *T-MTT v15 n6 Jun 67* 382
- Steinbrecher, Donald H.; Optimum efficiency of a cascade of low-gain amplifiers; *T-MTT v18 n11 Nov 70* 951-956
- Steinbrecher, Donald H., see Peterson, Dean F.; *T-MTT v21 n1 Jan 73* 19-27 (1C09)
- Steinert, Leon A., see Bussey, H. E.; *T-MTT v6 n1 Jan 58* 72-76
- Steinhoff, R. W., and T. K. Ishii; Pickup antennas for waveguide motors (Corresp.); *T-MTT v14 n9 Sep 66* 438
- Stelzried, C., see Clauss, R. C.; *T-MTT v12 n6 Nov 64* 619-620
- Stelzried, C. T., and S. M. Petty; Microwave insertion loss test set (Corresp.); *T-MTT v12 n4 Jul 64* 475-477

- Stelzried, C. T.; Temperature calibration of microwave thermal noise sources (Corresp.); *T-MTT v13 n1 Jan 65* 128-130
- Stelzried, C. T.; The effect of capacitive-screw tuners on waveguide loss (Corresp.); *T-MTT v17 n3 Mar 69* 172-173
- Stelzried, C. T., and D. A. Oldman; Precision insertion-loss calibrations at 90 GHz (Corresp.); *T-MTT v17 n4 Apr 69* 233-234
- Stelzried, C. T., see Otoshi, T. Y.; *T-MTT v18 n7 Jul 70* 406-409
- Stelzried, Charles T., see Levy, Gerald S.; *T-MTT v16 n9 Sep 68* 596-602
- Stelzried, Charles T., see Seidel, Boris L.; *T-MTT v16 n9 Sep 68* 625-628
- Stelzried, Charles T.; Microwave thermal noise standards; *T-MTT v16 n9 Sep 68* 646-655
- Stelzried, Charles T., see Otoshi, Tom Y.; *T-MTT v19 n11 Nov 71* 843-854 (1B03)
- Stempler, D., see Kopeika, N. S.; *T-MTT v23 n10 Oct 75* 843-845 (1E09)
- Stephenson, I. M., see Young, J. C. T.; *T-MTT v22 n12 Dec 74* 1320-1323 (5C12)
- Stephenson, I. M., see Gopinath, A.; *T-MTT v24 n3 Mar 76* 142-144 (1B02)
- Stephenson, I. M., see Akello, Robert J.; *T-MTT v25 n5 May 77* 367-372 (1B13)
- Stern, E.; Ferrite shape considerations for UHF high-power isolators (Corresp.); *T-MTT v8 n5 Sep 60* 565
- Stern, E., and D. Temme; Magnetostriction effects in remanence phase shifters (Corresp.); *T-MTT v13 n6 Nov 65* 873-874
- Stern, Ernest, and Richard S. Mangiaracina; Ferrite high-power effects in waveguides; *T-MTT v17 n1 Jan 59* 11-15
- Stern, Ernest, see Ince, William J.; *T-MTT v15 n2 Feb 67* 87-95
- Stern, Ernest, and William J. Ince; Design of composite magnetic circuits for temperature stabilization of microwave ferrite devices; *T-MTT v15 n5 May 67* 295-300
- Stern, Ernest; Microsound components, circuits, and applications; *T-MTT v17 n11 Nov 69* 835-844
- Stern, R., see Wade, W., Jr.; *T-MTT v10 n6 Nov 62* 611
- Stern, R., see Wade, W. L., Jr.; *T-MTT v13 n1 Jan 65* 127-128
- Stern, R. A.; High-power S-band junction circulator (Short p.); *T-MTT v21 n12 Dec 73* 840-842 (3B07)
- Stern, Richard A., and John P. Agrios; A 500 kW X-band air-cooled ferrite latching switch; *T-MTT v16 n12 Dec 68* 1034-1037
- Stern, Richard A.; A fast 3-mm ferrite switch (Corresp.); *T-MTT v19 n9 Sep 71* 786-788 (1E12)
- Sterzer, Fred; Progress in solid-state microwave power sources; *T-MTT v13 n6 Nov 65* 768-772
- Sterzer, Fred, see Narayan, S. Yegna; *T-MTT v18 n11 Nov 70* 773-783
- Sterzer, Fred; The 1976 S-MTT National Lectureship; *T-MTT v24 n12 Dec 76* 913 (1B01)
- Stetson, LaVerne E., see Nelson, Stuart O.; *T-MTT v22 n3 Mar 74* 342-343 (3B12)
- Stetson, LaVerne E., see Nelson, Stuart O.; *T-MTT v22 n12 Dec 74* 1303-1305 (3B09)
- Stette, Gunnar R.; Evaluation of linearity by transformation of the amplitude characteristic; *T-MTT v23 n4 Apr 75* 387-390 (1E09)
- Stettler, P., J. Rast, F. Kneubühl, and E. A. Muller; Submillimeter-wave solar brightness temperature measured with a balloon-borne lamellar-grating interferometry (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1119-1120 (2D02)
- Stévanec, Jean, see Cachier, Gérard; *T-MTT v27 n5 May 79* 505-510 (2D04)
- Stewart, Clyde; Some applications and characteristics of ferrite at wavelengths of 0.87 cm and 1.9 cms; *T-MTT v3 n3 Apr 55* 27-31
- Stewart, J. A. C., see Moore, I. J. H. S.; *T-MTT v21 n6 Jun 73* 422-425 (2B11)
- Stewart, J. A. Carson, David R. Conn, and H. R. Mitchell; State-space analysis of general IMPATT diode small-signal lumped models; *T-MTT v18 n11 Nov 70* 835-842
- Stewart, J. A. Carson, see Armstrong, B. Mervyn; *T-MTT v28 n12 Dec 80* 1437-1442
- Steyn, Andre F., see Malherbe, Johannes A. G.; *T-MTT v26 n11 Nov 78* 883-885 (1C13)
- Stineheffer, H. E., Sr., see Atwood, W.; *T-MTT v16 n7 Jul 68* 477-480
- Stineheffer, Harold E.; Guest editorial: Automated microwave measurements; *T-MTT v20 n1 Jan 72* 2 (1B04)
- Stineheffer, Harold E., Sr.; An accurate calculation of uniform microstrip transmission lines; *T-MTT v16 n7 Jul 68* 439-444
- Stineheffer, Harold E., Sr., see Hines, Marion E.; *T-MTT v22 n3 Mar 74* 276-282 (2B14)
- Stinson, D. C.; Resonant frequencies of higher-order modes in radial resonators; *T-MTT v3 n4 Jul 55* 18-23
- Stinson, Donald C.; Coupling through an aperture containing an anisotropic ferrite; *T-MTT v5 n3 Jul 57* 184-191
- Stinson, Donald C.; Ferrite directional couplers with off-center apertures (Corresp.); *T-MTT v6 n3 Jul 58* 332-333
- Stinson, Donald C.; Ferrite line width measurements in a cross-guide coupler; *T-MTT v6 n4 Oct 58* 446-450
- Stinson, Donald C.; Recent linewidth measurements with a cross-guide coupler (Corresp.); *T-MTT v12 n6 Nov 64* 621-622
- Stinson, Donald C., see Gonzalez, Guillermo; *T-MTT v17 n5 May 69* 284-286
- Stitch, Malcolm L., Norman O. Robinson, and William Silvey; Parametric diodes in a maser phase-locked frequency divider; *T-MTT v8 n2 Mar 60* 218-221
- Stitzer, Steven N., see Emtage, P. R.; *T-MTT v25 n3 Mar 77* 210-213 (1D02)
- Stock, D. J. R., see Kaplan, L. J.; *T-MTT v7 n2 Apr 59* 298-299
- Stock, D. J. R., and L. J. Kaplan; An extension of the concept of stop and pass bands of a Zobel type filter to a general reciprocal two port network which has a nonloxodromic transformation (Corresp.); *T-MTT v7 n3 Jul 59* 392-393
- Stock, D. J. R., and L. J. Kaplan; The representation of impedances with negative real parts in the projective chart (Corresp.); *T-MTT v7 n4 Oct 59* 475
- Stock, D. J. R., see Kaplan, L. J.; *T-MTT v8 n6 Nov 60* 668
- Stock, D. J. R., and L. J. Kaplan; A comment on the scattering matrix of cascaded 2n-ports; *T-MTT v9 n5 Sep 61* 454
- Stock, D. J. R., and L. J. Kaplan; On 'An impedance transformation method for finding the load impedance of a two-port network' (Corresp.); *T-MTT v10 n5 Sep 62* 398-399
- Stock, D. J. R., see Kaplan, L. J.; *T-MTT v10 n5 Sep 62* 402-403
- Stock, D. J. R., and L. J. Kaplan; The analogy between the Weissfloch transformer and the ideal attenuator (reflection coefficient transformer) and an extension to include the general lossy two-port (Corresp.); *T-MTT v7 n4 Oct 59* 473-474
- Stock, Don J. R., see Rosenberg, David; *T-MTT v14 n3 Mar 66* 145-153
- Stockton, Ronald J., see Terrio, Franklin G.; *T-MTT v22 n6 Jun 74* 688-692 (2A14)
- Stogryn, A.; Equations for calculating the dielectric constant of saline water (Corresp.); *T-MTT v19 n8 Aug 71* 733-736 (2B06)
- Stoll, J. P., see Schulten, G.; *T-MTT v15 n1 Jan 67* 60
- Stoll, J. P., see Schulten, G.; *T-MTT v15 n7 Jul 67* 430-431
- Stone, Geoffrey O.; High-order finite elements for inhomogeneous acoustic guiding structures; *T-MTT v21 n8 Aug 73* 538-542 (1D12)
- Stonebridge, Jerry B., see Guy, Arthur W.; *T-MTT v26 n8 Aug 78* 550-556 (1C08)
- Stonebridge, Jerry B., see Lehmann, Justus F.; *T-MTT v26 n8 Aug 78* 556-563 (1C14)
- Storer, James E., and Thomas W. Thompson; TEM impedance and cross coupling for small circular center conductors in a double ridged waveguide; *T-MTT v9 n2 Mar 61* 116-123
- Stracca, G. B.; On 'A solid-state microwave source from reactance-diode harmonic generators' (Corresp.); *T-MTT v10 n5 Sep 62* 399-401
- Stracca, G. B., F. Aspesi, and T. D'Arcangelo; Low-noise microwave down-converter with optimum matching at idle frequencies (Short p.); *T-MTT v21 n8 Aug 73* 544-547 (2B02)
- Strain, R. J., and P. D. Coleman; Millimeter wave cavity coupling by quarter-wave transformer; *T-MTT v10 n6 Nov 62* 612-614
- Strain, R. J., and Paul D. Coleman; Submillimeter photon counting in ruby (Corresp.); *T-MTT v11 n5 Sep 63* 434-435
- Strain, Robert J., see Wessel, Erling G.; *T-MTT v12 n1 Jan 64* 139-141
- Straiton, A. W., see Thorn, D. C.; *T-MTT v7 n3 Jul 59* 389-390
- Straiton, Archie W., see Cogdell, John R.; *T-MTT v8 n2 Mar 60* 151-155
- Straiton, Archie W., and Charles Walter Tolbert; Factors affecting earth-satellite millimeter wavelength communications; *T-MTT v11 n5 Sep 63* 296-301
- Strauch, R. G., W. T. Smith, and V. E. Derr; Injection locking of a Laddertron at 35 Gc/s (Corresp.); *T-MTT v13 n4 Jul 65* 473-474
- Strauch, R. G., R. A. Miesch, and R. E. Cupp; Submillimeter wave harmonic mixing (Corresp.); *T-MTT v13 n6 Nov 65* 873
- Comments: *T-MTT v15 n1 Jan 67* 660
- Straus, T. M.; Tuning range of the backward traveling-wave parametric amplifier (Corresp.); *T-MTT v9 n1 Jan 61* 95
- Streifer, W., see Heurtley, J. C.; *T-MTT v13 n5 Sep 65* 711-712
- Streifer, William, see Kurtz, Clark N.; *T-MTT v17 n1 Jan 69* 11-15
- Streifer, William, see Kurtz, Clark N.; *T-MTT v17 n5 May 69* 250-253
- Streifer, William, see Kurtz, Clark N.; *T-MTT v17 n7 Jul 69* 360-363
- Strine, G. L., see Zimmerer, Robert W.; *T-MTT v11 n2 Mar 63* 142-150
- Strom, U., P. C. Taylor, and B. D. McCombe; Pulse control unit for repetitive slow-scan far infrared interferometry (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1117 (2C14)
- Strum, P. D.; Crystal checker for balanced mixers; *T-MTT v2 n2 Jul 54* 10-15. Correction, Jan 55 21; Addendum.
- Strum, P. D.; Klystron noise (Corresp.); *T-MTT v3 n1 Jan 55* 45
- Strum, Peter D.; A note on noise temperature; *T-MTT v4 n3 Jul 56* 145-151
- Strutt, Max J. O., see Baechtold, Werner; *T-MTT v16 n9 Sep 68* 578-585
- Strutt, Max J. O., see Baechtold, Werner; *T-MTT v17 n8 Aug 69* 614-619
- Strutt, Max J. O., see Hartmann, Karl; *T-MTT v20 n2 Feb 72* 120-126 (1D10)
- Strutt, Max J. O., see Anastassiou, A.; *T-MTT v21 n6 Jun 73* 419-422 (2B08)
- Strutt, Max J. O., see Anastassiou, A.; *T-MTT v22 n2 Feb 74* 138-140 (1E04)
- Strutt, Max J. O., see Hartmann, Karl; *T-MTT v22 n3 Mar 74* 178-189 (1B14)
- Stuchly, Maria A., Stanislaw S. Stuchly, and Gideon Kantor; Diathermy applicators with circular aperture and corrugated flange (Short p.); *T-MTT v28 n3 Mar 80* 267-271
- Stuchly, Maria A., see Bahl, I. J.; *T-MTT v28 n12 Dec 80* 1464-1468
- Stuchly, S., see Rzepecka, M.; *T-MTT v14 n3 Mar 66* 161-162
- Stuchly, Stanislaw, and Andrzej Kraszewski; Wide-band rectangular to circular waveguide mode and impedance transformer (Corresp.); *T-MTT v13 n3 May 65* 379-380
- Stuchly, Stanislaw S., see Bahl, I. J.; *T-MTT v28 n2 Feb 80* 104-109
- Stuchly, Stanislaw S., see Stuchly, Maria A.; *T-MTT v28 n3 Mar 80* 267-271
- Stuchly, Stanislaw S., see Bahl, I. J.; *T-MTT v28 n12 Dec 80* 1464-1468
- Stutzman, W. L., see Bostian, Charles W.; *T-MTT v23 n12 Dec 75* 1049-1052 (2A14)
- Stutzman, Warren L.; Plane dielectric-coated conductor surface waveguide corners (Corresp.); *T-MTT v16 n1 Jan 68* 52-53
- Su, Wu-Hung, see Cogdell, J. R.; *T-MTT v18 n6 Jun 70* 324-325
- Suarez, E. M., see Pomeroy, A. F.; *T-MTT v4 n2 Apr 56* 122-129
- Sucher, M., see Sweet, Leonard; *T-MTT v5 n2 Apr 57* 167-168. Correction, Oct 57 265
- Sucher, Max, and H. J. Carlin; The operation of bolometers under pulsed power conditions; *T-MTT v3 n4 Jul 55* 45-52
- Sucher, Max, and H. J. Carlin; Broad-band calorimeters for the measurement of low and medium level microwave power—Part I: Analysis and design; *T-MTT v6 n2 Apr 58* 188-194
- Sucher, Max, see Farber, Herman; *T-MTT v13 n1 Jan 65* 28-32
- Suematsu, Yasuharu, Ken'ichi Iga, and Sin'ichi Ito; A light beam waveguide using hyperbolic-type gas lenses; *T-MTT v14 n12 Dec 66* 657-665. Correction, May 67 294
- Suematsu, Yasuharu, and Kazuhito Furuya; Propagation mode and scattering loss of a two-dimensional dielectric waveguide with gradual distribution of refractive index; *T-MTT v20 n8 Aug 72* 524-531 (1D10)
- Suematsu, Yasuharu; The progress of integrated optics in Japan; *T-MTT v23 n1 Jan 75* 16-20 (1B04)
- Suematsu, Yasuharu, and Kazuhito Furuya; Quasi-guided modes and related radiation losses in optical dielectric waveguides with external higher index surroundings; *T-MTT v23 n1 Jan 75* 170-175 (2F09)
- Suess, Michael J., see Michaelson, Sol M.; *T-MTT v22 n12 Dec 74* 1301-1302 (5B07)
- Suetake, Kunihiro, see Naito, Yoshiyuki; *T-MTT v19 n1 Jan 71* 65-72 (2B09)
- Suga, Hiroshi, see Sugiura, Torahiko; *T-MTT v27 n2 Feb 79* 160-167 (1E14)
- Sugi, Masao, and Tsuneo Nakahara; O-guide and X-guide: An advanced surface wave transmission concept; *T-MTT v7 n3 Jul 59* 366-369
- Sugimoto, Shigetoki; Ultrahigh-speed diode switch for 50 GHz band utilizing avalanche breakdown in varactor diodes; *T-MTT v16 n12 Dec 68* 1017-1021
- Sugita, Takeshi, see Kobayashi, Masanori; *T-MTT v27 n4 Apr 79* 343-345 (1D11)
- Sugiura, Tadahiko; Analysis of distributed-lumped strip transmission lines; *T-MTT v25 n8 Aug 77* 656-661 (1B14)
- Sugiura, Torahiko, and Hiroshi Suga; The susceptance of an annular metallic strip in a circular waveguide with incident TE₀₁ mode; *T-MTT v27 n2 Feb 79* 160-167 (1E14)
- Sullivan, D. B., see Edrich, Jochen; *T-MTT v25 n6 Jun 77* 476-479 (1B10)
- Sullivan, Donald J., and D. A. Parkes; Stepped transformers for partially filled transmission lines; *T-MTT v8 n2 Mar 60* 212-217
- Comments: *T-MTT v9 n4 Jul 61* 366-367
- Sullivan, T., see Frenkel, L.; *T-MTT v17 n5 May 69* 281-282
- Sultan, Nizar B.; Generalized theory of waveguide differential phase sections and application to novel ferrite devices; *T-MTT v19 n4 Apr 71* 348-357 (1B04)

- Sultan, Nizar B., and G. T. Wright; Electronic tuning of the punch-through injection transit time (PITT) microwave oscillator (Short p.); *T-MTT* v20 n11 Nov 72 773-775 (2B04)
- Sumioka, Atsushi, see Maeda, Minoru; *T-MTT* v19 n12 Dec 71 916-921 (1C02)
- Summers, C. J., and S. Zwerdling; Material characterization and ultimate performance calculations of compensated n-type silicon bolometer detectors at liquid helium temperatures; *T-MTT* v22 n12 Dec 74 1009-1013 (1C03)
- Sun, C., Emil Benko, and John W. Tully; A tunable high-power V-band Gunn oscillator; *T-MTT* v27 n5 May 79 512-514 (2D11)
- Sun, Cheng, see Ma, Young-El; *T-MTT* v28 n12 Dec 80 1460-1463
- Sun, Y. Y., see Guckel, H.; *T-MTT* v20 n6 Jun 72 412-413 (2B11)
- Sun, Y. Y.; Comments on 'Propagation modes, equivalent circuits, and characteristic terminations for multiconductor transmission lines with inhomogeneous dielectrics'; *T-MTT* v26 n11 Nov 78 915-918 (1F02)
- Suryanarayana Rao, K. N., V. Mahadevan, and S. P. Kosta; Analysis of straight tapered microstrip transmission lines—ASTMIC (Computer program descr.); *T-MTT* v25 n2 Feb 77 164 (1F14)
- Susman, Leon, see Nicolson, A. Murray; *T-MTT* v20 n1 Jan 72 3-9. *Correction*, Oct 72 707 (1B05)
- Susman, Leon, see Cronson, Harry M.; *T-MTT* v25 n12 Dec 77 1086-1091 (2C04)
- Süsskind, Charles, see Finnilla, Charles A.; *T-MTT* v8 n2 Mar 60 143-147
- Süsskind, Charles; Review of 'Electromagnetic Fields and Life' (Presman, A. S.; 1970); *T-MTT* v19 n2 Feb 71 248
- Süsskind, Charles; Review of 'Electromagnetic Fields and the Life Environment' (Marha, K., et al; 1971); *T-MTT* v19 n2 Feb 71 248
- Sussman-Fort, S. E.; Computer-simulated design of an active microwave all-pass network; *T-MTT* v27 n12 Dec 79 1023-1025 (2A02)
- Sutherland, J. G., see Morgan, D. P.; *T-MTT* v21 n4 Apr 73 306 (3D11)
- Suttie, Robert A., see Helszajn, Joseph; *T-MTT* v25 n3 Mar 77 190-196 (1B10)
- Suyama, Katsuhiko, see Fukuta, Masumi; *T-MTT* v24 n6 Jun 76 312-317 (1C10)
- Suyama, Katsuhiko, see Yokoyama, Naoki; *T-MTT* v28 n5 May 80 483-486
- Suzuki, Hiroshi, see Fukuta, Masumi; *T-MTT* v24 n6 Jun 76 312-317 (1C10)
- Suzuki, Hiroshi, Osamu Kurita, Masayuki Ino, Takashi Makimura, and Masamichi Ohmori; Power considerations on IMPATT-diode arrays with incomplete thermal isolation; *T-MTT* v28 n6 Jun 80 632-638
- Suzuki, Kimio, see Hirota, Ryogo; *T-MTT* v18 n4 Apr 70 188-195
- Suzuki, M., see Kitazawa, T.; *T-MTT* v24 n9 Sep 76 604-608 (1E04)
- Suzuki, Michio, see Aoki, Yoshinao; *T-MTT* v15 n1 Jan 67 2-8
- Suzuki, Michio, Masao Kamimura, and Shigeo Fujiki; A theoretical analysis of discrete reflecting beam waveguide with parabolic cylindrical reflectors; *T-MTT* v18 n7 Jul 70 338-347
- Suzuki, Michio, see Kamimura, Masao; *T-MTT* v18 n7 Jul 70 348-351
- Suzuki, Michio, see Fukai, Ichiro; *T-MTT* v19 n11 Nov 71 882-883 (1E06)
- Suzuki, Michio, see Tanaka, Toshiki; *T-MTT* v20 n8 Aug 72 546-547 (2B01)
- Suzuki, Michio, see Nagai, Keinosuke; *T-MTT* v21 n1 Jan 73 13-18 (1C03)
- Suzuki, Michio, see Kitazawa, T.; *T-MTT* v21 n9 Sep 73 580-582 (1B10)
- Suzuki, Michio, see Kitazawa, Toshihide; *T-MTT* v28 n4 Apr 80 387-392
- Suzuki, Nobuo, see Ootomo, Isao; *T-MTT* v19 n5 May 71 481-484 (2B07)
- Suzuki, Nobuo, see Shimada, Sadakuni; *T-MTT* v22 n2 Feb 74 111-118 (1C05)
- Suzuki, Nobuo; A 40-120-GHz Michelson interferometer-type band-splitting filter (Short p.); *T-MTT* v22 n5 May 74 565-566 (2B10)
- Suzuki, Nobuo; A new band-splitting filter for guided-millimeter-wave transmission systems; *T-MTT* v24 n5 May 76 237-241 (1A03)
- Suzuki, T., A. Nara, M. Nakatani, and T. Ishii; Highly reliable GaAs MESFETs with a statistic mean M_{Fmin} of 0.89 dB and a standard deviation of 0.07 dB at 4 GHz; *T-MTT* v27 n12 Dec 79 1070-1074 (2D07)
- Swan, C. B., see Gewartowski, J. W.; *T-MTT* v15 n2 Feb 67 134
- Sweet, A. A.; Factors limiting the signal-to-noise ratio of negative-conductance amplifiers and oscillators in FM/FDM communications systems (Short p.); *T-MTT* v22 n2 Feb 74 146-149 (1E12)
- Sweet, Allen A., see Hines, Marion E.; *T-MTT* v24 n7 Jul 76 393-404 (1A03)
- Sweet, L. O., see James, Allan V.; *T-MTT* v6 n2 Apr 58 195-202
- Sweet, Leonard, and M. Sucher; The available power of a matched generator from the measured load power in the presence of small dissipation and mismatch of the connecting network (Corresp.); *T-MTT* v5 n2 Apr 57 167-168. *Correction*, Oct 57 265
- Sweet, Leonard; A method of improving the response of waveguide directional couplers (Corresp.); *T-MTT* v11 n6 Nov 63 554
- Sweet, Leonard O.; Analysis of a two-section coupler (Corresp.); *T-MTT* v10 n4 Jul 62 295
- Swerdlow, Richard B.; Analysis of intermodulation noise in frequency converters by Volterra series; *T-MTT* v26 n4 Apr 78 305-313 (1F13)
- Swift, Calvin T., see Jones, W. Linwood; *T-MTT* v23 n12 Dec 75 1053-1058 (2B04)
- Syrett, B. A.; A broad-band element for microstrip bias or tuning circuits (Short p.); *T-MTT* v28 n8 Aug 80 925-927
- Syrett, Barry A., see Javed, Alauddin; *T-MTT* v25 n9 Sep 77 729-734 (1A13)
- Syrett, Barry A.; Computer-aided large-signal measurement of IMPATT-diode electronic admittance; *T-MTT* v27 n10 Oct 79 830-834 (1A08)
- Szabo, Thomas L., see Slobodnik, Andrew J., Jr.; *T-MTT* v22 n4 Apr 74 458-462 (2D06)
- Szénási, S., see Bercei, Tibor; *T-MTT* v23 n4 Apr 75 341-348 (1B05)
- Szente, P. A., R. H. Miller, and K. B. Mallory; On the measurement of detector impedance (Corresp.); *T-MTT* v11 n4 Jul 63 263
- Szente, P. A., see Mallory, K. B.; *T-MTT* v11 n5 Sep 63 433-434
- Szente, P. A., see Miller, R. H.; *T-MTT* v11 n5 Sep 63 435-436
- Szmigielski, Stanislaw, Marian Bielec, Marek Janiak, Mirosław Kobus, Mirosław Luczak, and Erik De Clerca; Inhibition of tumor growth in mice by microwave hyperthermia, polyribonucleic-polyribocytidylic, and mouse interferon; *T-MTT* v26 n8 Aug 78 520-522 (1A06)
- Szu, Harold Hwang, see Chu, Kwo Ray; *T-MTT* v28 n4 Apr 80 313-317
- Taft, Donald R., Gordon R. Harrison, and L. R. Hodges Jr.; Millimeter resonance isolators utilizing hexagonal ferrites; *T-MTT* v11 n5 Sep 63 346-350
- Taft, Donald R., see Rodrigue, George P.; *T-MTT* v15 n12 Dec 67 709-713
- Taft, Donald R., see Allen, J. Lamar; *T-MTT* v16 n7 Jul 68 405-411
- Taft, Donald R., see Harrison, Gordon R.; *T-MTT* v19 n7 Jul 71 577-588 (1B11)
- Taggart, David A., see Wanselow, Robert D.; *T-MTT* v22 n1 Jan 74 63-66 (1E09)
- Taggart, David A., and Robert D. Wanselow; Mixed mode filters (Short p.); *T-MTT* v22 n10 Oct 74 898-902 (1D10)
- Tai, C. T., see Leite, Rogerio C. C.; *T-MTT* v12 n1 Jan 64 117-122
- Tai, C. T., see Collier, J. Robert; *T-MTT* v13 n4 Jul 65 441-445
- Tai, Chen-To, and Pawel Rozenfeld; Different representations of dyadic Green's functions for a rectangular cavity; *T-MTT* v24 n9 Sep 76 597-601. *Correction*, Mar 77 235 (1D11)
- Tait, G. D., L. C. Robinson, and D. V. Bartlett; Plasma modulation of HCN gas laser (Short p.); *T-MTT* v22 n12 Dec 74 1109-1111 (2C06)
- Tajima, Yusuke, and Yoshihiko Sawayama; Design and analysis of a waveguide-sandwich microwave filter (Short p.); *T-MTT* v22 n9 Sep 74 839-841 (1B07)
- Tajima, Yusuke, and Susumu Kamihashi; Multiconductor couplers; *T-MTT* v26 n10 Oct 78 795-801 (2A01)
- Tajima, Yusuke, and Katsuhiko Mishima; Transmission-type injection locking of GaAs Schottky-barrier FET oscillators; *T-MTT* v27 n5 May 79 386-391 (1B10)
- Tajima, Yusuke; GaAs FET applications for injection-locked oscillators and self-oscillating mixers; *T-MTT* v27 n7 Jul 79 629-632 (1A03)
- Takada, Tohru, and Masahiro Hirayama; Hybrid integrated frequency multipliers at 300 and 450 GHz; *T-MTT* v26 n10 Oct 78 733-737 (1C03)
- Takada, Tohru, and Masamichi Ohmori; Frequency triplers and quadruplers with GaAs Schottky-barrier diodes at 450 and 600 GHz; *T-MTT* v27 n5 May 79 519-523 (2E04)
- Takada, Tohru, Takashi Makimura, and Masamichi Ohmori; Hybrid integrated frequency doublers and triplers to 300 and 450 GHz; *T-MTT* v28 n9 Sep 80 966-973
- Takagi, Hirotsuka, see Kawasaki, Kiyohiro; *T-MTT* v22 n11 Nov 74 918-924 (1A08)
- Takagi, Hirotsuka, see Kawasaki, Kiyohiro; *T-MTT* v22 n11 Nov 74 924-929 (1A14)
- Takahashi, S., M. Nojima, T. Fukuda, and A. Yamada; K-band cryogenically cooled wide-band nondegenerate parametric amplifier (Corresp.); *T-MTT* v18 n12 Dec 70 1176-1178
- Takahashi, Tadashi, see Konishi, Yoshihiro; *T-MTT* v22 n4 Apr 74 451-454 (2C13)
- Takamizawa, Hideo, see Abe, Hiroyuki; *T-MTT* v26 n3 Mar 78 156-162 (1B08)
- Takao, I., and K. Watanabe; An oversize waveguide directional coupler using two prisms interface-matched by means of the Brewster's-angle effect (Corresp.); *T-MTT* v17 n2 Feb 69 124-125
- Takao, Iwao, and Tatsuro Hayashi; An application of the parametron amplifier to the X-band ESR spectrometer; *T-MTT* v17 n2 Feb 69 107-113
- Takao, Iwao, see Watanabe, Kenzo; *T-MTT* v22 n4 Apr 74 444-446 (2C06)
- Takao, Iwao, see Watanabe, Kenzo; *T-MTT* v23 n4 Apr 75 354-359 (1C04)
- Takaoka, Akio, and Katsumi Ura; Noise analysis of nonlinear feedback-oscillator with AM-PM conversion coefficient; *T-MTT* v28 n6 Jun 80 654-662
- Takase, Ichiro, see Matsuo, Yoshio; *T-MTT* v24 n11 Nov 76 794-797 (2B13)
- Takayama, Yoichiro; Power amplification with IMPATT diodes in stable and injection-locked modes; *T-MTT* v20 n4 Apr 72 266-272 (1C12)
- Takayama, Yoichiro; Dynamic behavior of nonlinear power amplifiers in stable and injection-locked modes; *T-MTT* v20 n9 Sep 72 591-595 (1D05)
- Takayama, Yoichiro; Doppler signal detection with negative-resistance diode oscillators; *T-MTT* v21 n2 Feb 73 89-94 (1C11)
- Takayama, Yoichiro; Effect of temperature on device admittance of GaAs and Si IMPATT diodes; *T-MTT* v23 n8 Aug 75 673-680 (1F01)
- Takayama, Yoichiro, see Abe, Hiroyuki; *T-MTT* v26 n3 Mar 78 156-162 (1B08)
- Takayama, Yoichiro, see Honjo, Kazuhiko; *T-MTT* v27 n1 Jan 79 3-8 (1A05)
- Takeda, Fumio, see Takeichi, Yoshihiro; *T-MTT* v19 n12 Dec 71 947-950 (1F07)
- Takeichi, Yoshihiro, Tsutomu Hashimoto, and Fumio Takeda; The ring-loaded corrugated waveguide (Corresp.); *T-MTT* v19 n12 Dec 71 947-950 (1F07)
- Taketomi, Daiji, see Shirahata, Kiyoshi; *T-MTT* v18 n1 Jan 70 52-54
- Taketomi, Daiji, see Okajima, Toru; *T-MTT* v20 n12 Dec 72 812-819 (1C11)
- Takeuchi, T., see Okoshi, T.; *T-MTT* v24 n10 Oct 76 662-668 (1C06)
- Takimoto, Y., see Shimamura, Tadao; *T-MTT* v26 n12 Dec 78 945-951 (1B09)
- Takiyama, Kei, see Shigesawa, Hiroshi; *T-MTT* v24 n8 Aug 76 529-531 (1C13)
- Takiyama, Kei, see Shigesawa, Hiroshi; *T-MTT* v26 n12 Dec 78 992-997 (1E14)
- Takiyama, Kei, see Tsuji, Mikio; *T-MTT* v27 n11 Nov 79 873-878 (1A03)
- Talisa, Salvador H., and Donald M. Bolle; On the modeling of the edge-guided mode stripline isolators; *T-MTT* v27 n6 Jun 79 584-591 (1C02)
- Talisa, Salvador H., see Bolle, Donald M.; *T-MTT* v27 n11 Nov 79 878-882 (1A08)
- Talpey, T. E.; Optical methods for the measurement of complex dielectric and magnetic constants at centimeter and millimeter wavelengths; *T-MTT* v2 n3 Sep 54 1-12
- Talwar, Ashok K., and Walter R. Curtice; An experimental study of stabilized transferred-electron amplifiers; *T-MTT* v21 n7 Jul 73 477-481 (1E07)
- Talwar, Ashok K.; A dual-diode 73-GHz Gunn oscillator; *T-MTT* v27 n5 May 79 510-512 (2D09)
- Tamaru, T.; A note on bolometer mount efficiency measurement technique by impedance method in Japan (Corresp.); *T-MTT* v14 n9 Sep 66 437
- Tamir, Theodor, and Suzanne Palóc; Surface waves on plasma-clad metal rods; *T-MTT* v12 n2 Mar 64 189-196
- Tamir, Theodor, Han-chiu Wang, and Arthur A. Oliner; Wave propagation in sinusoidally stratified dielectric media; *T-MTT* v12 n3 May 64 323-335. *Correction*, Jan 65 141
- Comments, *T-MTT* v13 n5 Sep 65 715
- Tamir, Theodor, see Chu, Ruey-Shi; *T-MTT* v17 n11 Nov 69 1002-1020
- Tamir, Theodor, see Chu, Ruey-Shi; *T-MTT* v18 n8 Aug 70 486-504
- Tamir, Theodor, see Ballato, Arthur; *T-MTT* v22 n1 Jan 74 14-25 (1B02)
- Tamir, Theodor, see Peng, S. T.; *T-MTT* v23 n1 Jan 75 123-133. *Correction*, Aug 76 542 (2C04)
- Tamm, Peter, see Henoch, Bengt T.; *T-MTT* v19 n1 Jan 71 103-105 (2E11)
- Tamura, Ryoji, see Kitahara, Yuji; *T-MTT* v22 n12 Dec 74 1305-1308 (5B11)
- Tan, F. C. F., and J. Helszajn; Suppression of higher order modes in waveguide-junction circulators using coupled open dielectric resonators (Ltr.); *T-MTT* v24 n5 May 76 271-273 (1C09)
- Tan, Francis C., see Helszajn, Joseph; *T-MTT* v23 n3 Mar 75 288-298 (1B08)
- Tanabe, Kosai, Yoshio Kabayashi, and Shuzo Tanaka; Numerical analysis of eigenvalue solution of disk resonator (Short p.); *T-MTT* v23 n6 Jun 75 508-511 (1D08)

- Tanaka, Ikuo, and Masahide Ohshita; A variable directional coupler using InSb thin films (Short p.); *T-MTT* v24 n10 Oct 76 660-662 (1C04)
- Tanaka, Kazumasa, Masaru Shibukawa, and Ootozo Fukumitsu; Diffraction of a wave beam by an aperture; *T-MTT* v20 n11 Nov 72 749-755 (1E01)
- Tanaka, Kazumasa, and Ootozo Fukumitsu; Transmission of an optical wave beam through a system of two aperture stops; *T-MTT* v22 n2 Feb 74 81-86 (1A03)
- Tanaka, Kazumasa, Mitsuru Tanaka, and Ootozo Fukumitsu; Application of the beam mode expansion to the analysis of noise reduction structure (Short p.); *T-MTT* v23 n7 Jul 75 595-598 (1E01)
- Tanaka, Mitsuru, see Tanaka, Kazumasa; *T-MTT* v23 n7 Jul 75 595-598 (1E01)
- Tanaka, Nobuyoshi, see Naito, Yoshiyuki; *T-MTT* v19 n4 Apr 71 367-372 (1C11)
- Tanaka, Shuzo, see Tanabe, Kosai; *T-MTT* v23 n6 Jun 75 508-511 (1D08)
- Tanaka, Shuzo, see Kobayashi, Yoshio; *T-MTT* v28 n10 Oct 80 1077-1085
- Tanaka, Toshiaki; Ridge-shaped narrow wall directional coupler using TE₁₀, TE₂₀, and TE₃₀ modes; *T-MTT* v28 n3 Mar 80 239-245
- Tanaka, Toshiaki, and Michio Suzuki; On optimum mirrors of the Fabry-Perot resonator filled with anisotropic medium (Short p.); *T-MTT* v20 n8 Aug 72 546-547 (2B01)
- Tanaka, Zengo, see Nagao, Tsukasa; *T-MTT* v28 n7 Jul 80 776-786
- Tancredi, J. J., see Gottfried, A. H.; *T-MTT* v16 n9 Sep 68 795-797
- Tang, C. L.; Additional comment on Fabry-Perot type resonators; *T-MTT* v11 n2 Mar 63 153
- Tang, Charles C. H.; Propagation in a dielectric-loaded parallel plane waveguide; *T-MTT* v7 n2 Apr 59 209-213
- Tang, Charles C. H.; Optimization of waveguide tapers capable of multimode propagation; *T-MTT* v9 n5 Sep 61 442-452
- Tang, Charles C. H.; Nonuniform waveguide high-pass filters with extremely steep cutoff; *T-MTT* v12 n3 May 64 300-309
- Tang, Charles C. H.; Delay equalization by tapered cutoff waveguides; *T-MTT* v12 n6 Nov 64 608-615
- Tang, Charles C. H.; An exact analysis of varactor frequency multipliers (Corresp.); *T-MTT* v14 n4 Apr 66 210-212
- Tang, Charles C. H.; Mode conversion in tapered waveguides at and near cutoff; *T-MTT* v14 n5 May 66 233-239
- Tang, Charles C. H.; On the wave propagation and mode conversion in a helically corrugated multimode circular waveguide; *T-MTT* v14 n6 Jun 66 275-284
- Tang, Charles C. H.; On the mode correspondence between circular and square multimode tapered waveguides; *T-MTT* v15 n5 May 67 314-317
- Tang, Charles C. H.; An approximate nonlinear analysis of tunnel-diode converters; *T-MTT* v15 n11 Nov 67 604-612
- Tang, Charles C. H.; Forward and backward scattered modes in multimode nonuniform transitions; *T-MTT* v16 n8 Aug 68 494-502
- Tang, Charles C. H., see Poulton, G.; *T-MTT* v17 n5 May 69 288-289
- Tang, Charles C. H.; An orthogonal coordinate system for curved pipes (Corresp.); *T-MTT* v18 n1 Jan 70 69
- Tang, D., and George I. Haddad; Effects of depletion-layer modulation on spurious oscillations in IMPATT diodes; *T-MTT* v25 n9 Sep 77 734-741 (1B04)
- Tang, D. D., and Ronald J. Lomax; Bias-tuning and modulation characteristics of transferred-electron device oscillators; *T-MTT* v23 n9 Sep 75 748-753 (1C02)
- Tang, Raymond, see Burns, Richard W.; *T-MTT* v22 n6 Jun 74 675-688 (2A01)
- Tanji, Akihito, see Masuda, Masamitsu; *T-MTT* v25 n9 Sep 77 773-776 (1E01)
- Tannenwald, P. E., see Fetterman, H. R.; *T-MTT* v22 n12 Dec 74 1013-1015 (1C07)
- Tannenwald, P. E., see Murphy, R. A.; *T-MTT* v25 n6 Jun 77 494-495 (1C14)
- Tanzi, P. F., see Paik, S. F.; *T-MTT* v21 n11 Nov 73 716-720 (2B10)
- Tao, T. J., see Schott, F. W.; *T-MTT* v16 n11 Nov 68 959-961
- Tarr, Robert M., see Lakin, Kenneth M.; *T-MTT* v22 n8 Aug 74 763-768 (1A09)
- Tatekura, Kohichi, Kiyohiko Itoh, and Tadashi Matsumoto; Techniques and formulations for mode coupling of multimode optical fibers; *T-MTT* v26 n7 Jul 78 487-493 (1C05)
- Tatsuguchi, Isamu; UHF strip transmission line hybrid junction; *T-MTT* v9 n1 Jan 61 3-6
- Taub, J., see Kurpis, G.; *T-MTT* v14 n2 Feb 66 94
- Taub, J., see Cohen, J.; *T-MTT* v14 n12 Dec 66 698-699
- Taub, J. J., see Hindin, H. J.; *T-MTT* v10 n5 Sep 62 394-395
- Taub, J. J., and B. Fitzgerald; A note on *N*-way hybrid power dividers (Corresp.); *T-MTT* v12 n2 Mar 64 260-261
- Taub, J. J., H. J. Hindin, and G. P. Kurpis; Quasi-optical waveguide filters (Corresp.); *T-MTT* v12 n6 Nov 64 618-619
- Taub, J. J., see Lavendol, L.; *T-MTT* v13 n5 Sep 65 700-701
- Taub, J. J., see Hindin, H. J.; *T-MTT* v15 n9 Sep 67 525-528
- Taub, J. J., and G. P. Kurpis; A more general *N*-way hybrid power divider (Corresp.); *T-MTT* v17 n7 Jul 69 406-408
- Taub, J. J., see Kurpis, G. P.; *T-MTT* v18 n12 Dec 70 1181-1182
- Taub, Jesse, and Paul J. Giordano; Use of crystals in balanced mixers; *T-MTT* v2 n2 Jul 54 26-38
- Taub, Jesse J.; A new technique for multimode power measurement; *T-MTT* v10 n6 Nov 62 496-505. Correction, May 63 203
- Taub, Jesse J., Harvey J. Hindin, Otto F. Hinkelmann, and M. Lattimer Wright; Submillimeter components using oversize quasi-optical waveguide; *T-MTT* v11 n5 Sep 63 338-345
- Taub, Jesse J., and Robert L. Slevin; Design of band-stop filters in the presence of dissipation; *T-MTT* v13 n5 Sep 65 589-616
- Taub, Jesse J.; The minimum volume of an equal-element bandpass filter (Corresp.); *T-MTT* v16 n4 Apr 68 264-265
- Taub, Jesse J., Guest ed.; Foreword to special issue on low-noise technology; *T-MTT* v25 n4 Apr 77 241-242 (1A03)
- Taur, Yuan, J. H. Claassen, and P. L. Richards; Josephson junctions as heterodyne detectors; *T-MTT* v22 n12 Dec 74 1005-1009 (1B13)
- Taylor, Brian C., Stanley J. Fray, and Stephen E. Gibbs; Frequency-saturation effects in transferred electron oscillators; *T-MTT* v18 n11 Nov 70 799-807
- Taylor, John, see Fellers, Rufus G.; *T-MTT* v12 n6 Nov 64 584-587. Correction, Mar 65 258
- Taylor, P. C., see Strom, U.; *T-MTT* v22 n12 Dec 74 1117 (2C14)
- Taylor, Russell W., see Jelsma, Lawrence F.; *T-MTT* v18 n9 Sep 70 648-649
- Tearle, C. A., and K. R. Heath; IMPATT pumped sideband noise and its effect on parametric amplifier noise temperature; *T-MTT* v23 n12 Dec 75 1036-1042 (2A01)
- Teeter, W. L.; A high-speed broadband microwave waveguide switch; *T-MTT* v3 n5 Oct 55 11-14
- Teeter, W. L., and K. R. Bushore; A variable-ratio microwave power divider and multiplexer; *T-MTT* v5 n4 Oct 57 227-229
- Teh, G. A., see Wilson, Michael G. F.; *T-MTT* v23 n1 Jan 75 85-92 (1G03)
- Teh, G. A., V. C. Y. So, and G. I. Stegeman; Tapered block coupling and mode conversion in integrated optics; *T-MTT* v27 n3 Mar 79 265-266 (1D09)
- Temme, D., see Stern, E.; *T-MTT* v13 n6 Nov 65 873-874
- Temme, D. H., see Courtney, W. E.; *T-MTT* v18 n8 Aug 70 510
- Temme, Donald, see Epstein, Richard; *T-MTT* v16 n1 Jan 68 54-55
- Temme, Donald H., see Betts, Foster; *T-MTT* v14 n12 Dec 66 665-669
- Temme, Donald H., see Tsandoulas, G. N.; *T-MTT* v18 n2 Feb 70 88-95 (1C02)
- Temme, Donald H., see Ince, William J.; *T-MTT* v19 n1 Jan 71 105-107 (2F01)
- Temme, Donald H., see Ince, William J.; *T-MTT* v19 n6 Jun 71 563-564 (2C05)
- Temme, Donald H., see Ince, William J.; *T-MTT* v20 n10 Oct 72 705-707 (2C05)
- Temmyo, Jiro, and Shokichi Yoshikawa; SAW bandpass filter design for 1.6-GHz PCM timing tank applications; *T-MTT* v28 n8 Aug 80 846-851
- Templin, A. S., and R. L. Gunshor; Analytic model for varactor-tuned waveguide Gunn oscillators (Short p.); *T-MTT* v22 n5 May 74 554-556 (2A13)
- Terakado, Ruyiti; The characteristic impedance of rectangular coaxial line with ratio 2:1 of outer-to-inner conductor side length (Ltr.); *T-MTT* v24 n2 Feb 76 124-125 (1E02)
- Terakado, Ruyiti, see Kobayashi, Masanori; *T-MTT* v24 n9 Sep 76 626-628 (1F12)
- Terakado, Ruyiti, see Kobayashi, Masanori; *T-MTT* v27 n9 Sep 79 769-775 (1A03)
- Terakado, Ruyiti, see Tsuruta, Koichi; *T-MTT* v28 n2 Feb 80 147-149
- Terakado, Ruyiti, see Kobayashi, Masanori; *T-MTT* v28 n7 Jul 80 719-722
- Terakado, Ruyiti, see Kobayashi, Masanori; *T-MTT* v27 n9 Sep 79 776-778 (1A10)
- Terrio, Franklin G., Ronald J. Stockton, and Wayne D. Sato; A low cost p-i-n diode phase shifter for airborne phased-array antennas; *T-MTT* v22 n6 Jun 74 688-692 (2A14)
- Tetarenko, R. P., and Paul A. Goud; Broad-band properties of a class of TEM-mode hybrids (Corresp.); *T-MTT* v19 n11 Nov 71 887-889 (1E11)
- Tetenbaum, Sidney J., and Robert M. Hill; High power, magnetic field controlled microwave gas discharge switches; *T-MTT* v7 n1 Jan 59 73-82
- Thal, Herbert L., Jr., and Richard G. Lock; Locking of magnetrons by an injected RF signal; *T-MTT* v13 n6 Nov 65 836-846
- Thal, Herbert L., Jr.; Computer-aided filter alignment and diagnosis; *T-MTT* v26 n12 Dec 78 958-963 (1C08)
- Thal, Herbert L., Jr.; Cylindrical TE₀₁₁/TM₁₁₁ mode control by cavity shaping; *T-MTT* v27 n12 Dec 79 982-986 (1E02)
- Thaler, Hans-Jorg, Gerhard Ulrich, and Gerhard Weidmann; Noise in IMPATT diode amplifiers and oscillators; *T-MTT* v19 n8 Aug 71 692-705 (1C10)
- Comments by Schiek, B., and Schünemann, K., Sep 72 631-632
- Tham, Quang C.; Modes and cutoff frequencies of crossed rectangular waveguides; *T-MTT* v25 n7 Jul 77 585-588 (1B07)
- Tharp, Nelson B.; A double side-band amplitude-modulated multiplex system for use over microwave radio; *T-MTT* v2 n1 Apr 54 41-49
- Thebaud, Claude, see Ramy, Jean-Pierre; *T-MTT* v26 n10 Oct 78 814-820 (2B06)
- Thomas, David T.; Functional approximations for solving boundary value problems by computer; *T-MTT* v17 n8 Aug 69 447-454
- Thomas, J. H.; AM/PM noise conversion in a microwave signal source (Corresp.); *T-MTT* v16 n9 Sep 68 797-799
- Thomé, H., see Tuchendler, J.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Thompson, A. S.; Mode cutoff frequencies in screened dielectric rod waveguide (Corresp.); *T-MTT* v11 n4 Jul 63 262-263
- Thompson, David E., and Paul D. Coleman; Step-tunable far infrared radiation by phase matched mixing in planar waveguides dielectric; *T-MTT* v22 n12 Dec 74 995-1000 (1B03)
- Thompson, Edgar J., Robert W. Silberberg, Kenneth W. Gray, and Walter N. Hardy; The microwave reflective properties of water surfaces—I: The reflectivity of smooth water at 19.24 and 22.43 GHz as measured with a free-wave microwave reflectometer; *T-MTT* v16 n11 Nov 68 938-943
- Comments, *T-MTT* v18 n4 Apr 70 230
- Thompson, G. H. B.; An easy method of matching microstrip loads and attenuators (Corresp.); *T-MTT* v9 n3 May 61 263
- Thompson, G. H. B.; An empirical design method for multisection ridge-guide transducers of large-impedance transformation (Corresp.); *T-MTT* v9 n3 May 61 263-266
- Thompson, J. E., T. L. Simpson, and J. B. Caulfield; Thermographic tumor detection enhancement using microwave heating; *T-MTT* v26 n8 Aug 78 573-580 (1E03)
- Thompson, M. C., Jr., F. E. Freethy, and D. M. Waters; End plate modification of *X*-band TE₀₁ cavity resonators (Corresp.); *T-MTT* v7 n3 Jul 59 388-389
- Thompson, Thomas W., see Storer, James E.; *T-MTT* v9 n2 Mar 61 116-123
- Thomson, A. F., see Gopinath, A.; *T-MTT* v24 n3 Mar 76 142-144 (1B02)
- Thomson, Alistair F., and Anand Gopinath; Calculation of microstrip discontinuity inductances; *T-MTT* v23 n8 Aug 75 648-655 (1D04)
- Thomson, Ian, see Gibson, Maurice H.; *T-MTT* v26 n10 Oct 78 779-788 (1F07)
- Thomson, T. Bruce, see Foldes, Peter; *T-MTT* v9 n4 Jul 61 297-306
- Thong, Vu Khac; Solutions for some waveguide discontinuities by the method of moments (Short p.); *T-MTT* v20 n6 Jun 72 416-418 (2C03)
- Thorn, D. C., and A. W. Straiton; Design of open-ended microwave resonant cavities (Corresp.); *T-MTT* v7 n3 Jul 59 389-390
- Thorn, Mark L., see Whalen, James J.; *T-MTT* v27 n12 Dec 79 1026-1031 (2A05)
- Thrane, Lars, see Madsen, Kaj; *T-MTT* v23 n10 Oct 75 803-809. Correction, Apr 76 233 (1B11)
- Tiberio, Paolo, see Monaco, Vito A.; *T-MTT* v22 n3 Mar 74 249-263 (2A01)
- Tiberio, Paolo, see Bonfatti, Flavio; *T-MTT* v22 n3 Mar 74 264-269 (2B02)
- Tice, T. E., see Richmond, J. H.; *T-MTT* v3 n3 Apr 55 32-34
- Tien, P. K., Gerald Smolinsky, and R. J. Martin; Radiation fields of a tapered film and a novel film-to-fiber coupler; *T-MTT* v23 n1 Jan 75 79-85 (1F11)
- Tierman, Robert J., and Ernst Schlömann; Nonreciprocal delay line for use in *S* band tubes; *T-MTT* v23 n10 Oct 75 813-818 (1C07)
- Tierney, J., see Baynham, A. C.; *T-MTT* v21 n2 Feb 73 111-113 (1E09)
- Tillman, Robert L., see Liechti, Charles A.; *T-MTT* v22 n5 May 74 510-517 (1C04)
- Tinney, Charles E., see Lords, James L.; *T-MTT* v21 n12 Dec 73 834-836 (3B01)
- Tinney, Charles E., James L. Lords, and Carl H. Durney; Rate effects in isolated turtle hearts induced by microwave irradiation; *T-MTT* v24 n1 Jan 76 18-24 (1B06)
- Tipon, Paul G.; New microwave-frequency synthesizers that exhibit broader bandwidths and increased spectral purity; *T-MTT* v22 n12 Dec 74 1246-1254 (4D03)
- Tippet, John C., and David C. Chang; A new approximation for the capacitance of a rectangular-coaxial-strip transmission line (Short p.); *T-MTT* v24 n9 Sep 76 602-604 (1E02)

- Tippet, John C., and David C. Chang; Characteristic impedance of a rectangular coaxial line with offset inner conductor; *T-MTT* v26 n11 Nov 78 876-883 (1C06)
- Tischer, F. J.; Resonant properties of nonreciprocal ring circuits; *T-MTT* v6 n1 Jan 58 66-71
- Tischer, Frederick J.; The groove guide, a low-loss waveguide for millimeter waves; *T-MTT* v11 n5 Sep 63 291-296
- Tischer, Frederick J.; H guide with laminated dielectric slab; *T-MTT* v18 n1 Jan 70 9-15
- Tischer, Frederick J.; Excess surface resistance due to surface roughness at 35 GHz (Short p.); *T-MTT* v22 n5 May 74 566-569 (2B11)
- Tischer, Frederick J., and J. R. Potukuchi; Waves guided between open parallel concave reflectors (Short p.); *T-MTT* v22 n7 Jul 74 742-743 (1C08)
- Tischer, Frederick J.; Excess conduction losses at millimeter wavelengths; *T-MTT* v24 n11 Nov 76 853-858 (3A01)
- Tischer, Frederick J.; Experimental attenuation of rectangular waveguides at millimeter wavelengths; *T-MTT* v27 n1 Jan 79 31-37 (1C05)
- Tischer, Friedrich J.; Resonance properties of ring circuits; *T-MTT* v5 n1 Jan 57 51-56
- Tissi, Plinio, see Bonetti, René R.; *T-MTT* v26 n7 Jul 78 471-477 (1B03)
- Tittel, F. K., see Crowley, J. D.; *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Toda, Minoru; A new isolator using a solid-state plasma waveguide (Corresp.); *T-MTT* v13 n1 Jan 65 126-127
- Toda, Minoru; Voltage induction method for microwave susceptibility measurements; *T-MTT* v16 n10 Oct 68 828-835
- Todd, A. C., see Standley, Robert D.; *T-MTT* v11 n6 Nov 63 551-552
- Todd, Alva C., see Toullos, Peter P.; *T-MTT* v13 n5 Sep 65 536-544
- Tognazzi, R., see Consortini, A.; *T-MTT* v23 n7 Jul 75 593-595 (1D13)
- Tognetti, V., see Bisio, G. R.; *T-MTT* v19 n5 May 71 490-491 (2C04)
- Tognetti, V., see Bini, M.; *T-MTT* v20 n11 Nov 72 771-773 (2B02)
- Tohyama, Hideki, and Hideki Mizuno; 23-GHz band GaAs MESFET reflection-type amplifier; *T-MTT* v27 n5 May 79 408-411 (1D04)
- Toker, Canan, see Inal, Kubilay; *T-MTT* v19 n3 Mar 71 333-334 (2C07)
- Toker, Canan; Self-oscillating tunnel-diode mixer having conversion gain (Short p.); *T-MTT* v20 n9 Sep 72 616-618 (2B03)
- Toker, Canan, see Inal, Kubilay; *T-MTT* v21 n5 May 73 327-333 (1C05)
- Toker, Canan; A numerical observation on the self-oscillating tunnel-diode mixer (Short p.); *T-MTT* v21 n6 Jun 73 430-431 (2C07)
- Tokheim, Robert E., see Hoover, John C.; *T-MTT* v15 n4 Apr 67 273-274
- Tokida, Masataka, see Isobe, Toyosaku; *T-MTT* v18 n11 Nov 70 906-911
- Tokita, N., see Antich, Peter P.; *T-MTT* v26 n8 Aug 78 569-572 (1D13)
- Tokumoto, Madoka, see Yoshihiro, Kazuo; *T-MTT* v22 n12 Dec 74 1072-1076 (1G10)
- Tolbert, Charles Walter, see Straiton, Archie W.; *T-MTT* v11 n5 Sep 63 296-301
- Tomita, Naotaka, see Uchizaki, Ichiro; *T-MTT* v27 n12 Dec 79 1038-1042 (2B03)
- Tomiyasu, K.; Attenuation in a resonant ring circuit (Corresp.); *T-MTT* v8 n2 Mar 60 253-254
- Tomiyasu, K.; Optimum transducer coupling coefficient of a multiple reflection pulsed microwave delay line (Corresp.); *T-MTT* v13 n3 May 65 390
- Tomiyasu, K.; Mode conversion in short conical and asymmetrical-rectangular waveguide tapers (Corresp.); *T-MTT* v16 n3 Mar 68 197-199
- Tomiyasu, K.; Conversion of circular TE_{11} mode by a large diameter conical junction (Corresp.); *T-MTT* v17 n5 May 69 277-279
- Tomiyasu, Kiyo; Intrinsic insertion loss of a mismatched microwave network; *T-MTT* v3 n1 Jan 55 40-44
- Tomiyasu, Kiyo, and J. J. Bolus; Characteristics of a new serrated choke; *T-MTT* v4 n1 Jan 56 33-36
- Tomiyasu, Kiyo; Message from the editor *T-MTT* v5 n4 Oct 57 222
- Tomiyasu, Kiyo; Effect of a mismatched ring in a traveling-wave resonant circuit (Corresp.); *T-MTT* v5 n4 Oct 57 267
- Tomiyasu, Kiyo; Message from the editor; *T-MTT* v7 n2 Apr 59 188
- Tomiyasu, Kiyo; On spurious outputs from high-power pulsed microwave tubes and their control; *T-MTT* v9 n6 Nov 61 480-484
- Tomiyasu, Kiyo, Guest ed.; Foreword—Special issue on high-power microwaves; *T-MTT* v26 n5 May 78 321 (1A03)
- Tomizawa, K., T. Hariu, and H. Hartnagel; Analysis of microwave circuit for characterization of negative-conductance devices by transients (Ltr.); *T-MTT* v21 n9 Sep 73 596-597 (1D02)
- Tomizawa, Kazutaka, see Pavlidis, Dimitrios; *T-MTT* v26 n3 Mar 78 162-169 (1B14)
- Tompkins, R. D.; A broad-band dual-mode circular waveguide transducer; *T-MTT* v4 n3 Jul 56 181-183
- Tonks, L., see Quine, John P.; *T-MTT* v16 n11 Nov 68 952-955
- Tonning, Andreas, see Ingebrigtsen, Kjell A.; *T-MTT* v17 n11 Nov 69 827-835
- Topuz, Ercan; E-type modes in cylindrical dielectric waveguides with periodic boundary perturbations (Corresp.); *T-MTT* v24 n11 Nov 76 872-875 (3B06)
- Torgow, E. N., and P. D. Lubell; Band-pass filters with steep skirt selectivity (Corresp.); *T-MTT* v13 n1 Jan 65 124-126
- Torgow, Eugene N., and John W. E. Griensmann; Miniature strip transmission line for microwave applications; *T-MTT* v3 n2 Mar 55 57-64
- Torgow, Eugene N.; Hybrid junction—Cutoff waveguide filters; *T-MTT* v7 n1 Jan 59 163-167
- Torgow, Eugene N., and Glen E. Collins; Band-stop filters for high-power applications; *T-MTT* v13 n5 Sep 65 508-513
- Torgow, Eugene N.; Equalization of waveguide delay distortion; *T-MTT* v13 n6 Nov 65 756-762
- Toullos, Peter P., and Alva C. Todd; Synthesis of symmetrical TEM-mode directional couplers; *T-MTT* v13 n5 Sep 65 536-544
- Toussaint, Hans-Norbert; ECAP analysis of UHF-transistor-oscillator transient response; *T-MTT* v17 n8 Aug 69 620-626
- Toussaint, Hans-Norbert, and Reinmut Hoffmann; Octave bandwidth adjustable SPDT power switch using p-n diode-terminated stubs (Corresp.); *T-MTT* v19 n7 Jul 71 657-659 (2D12)
- Toutain, S., see Legier, J. F.; *T-MTT* v28 n9 Sep 80 1031-1034
- Townes, Charles H.; The challenge of astronomy to millimeter-wave technology; *T-MTT* v24 n11 Nov 76 709-711 (1C01)
- Townes, Charles H., see Yngvesson, K. Sigfrid; *T-MTT* v24 n11 Nov 76 711-717 (1C03)
- Toyama, Yoshikazu, see Hirachi, Yasutake; *T-MTT* v24 n11 Nov 76 731-737 (1D09)
- Toyota, Sachihito, and Toshio Makimoto; Transmission-type Esaki-diode amplifier using dielectric loaded rectangular waveguide (Corresp.); *T-MTT* v17 n1 Jan 69 40-42
- Tozer, R. C., R. Charlton, and G. S. Hobson; Characterization of microwave oscillator and amplifier circuits using an IMPATT diode biased below breakdown (Short p.); *T-MTT* v22 n8 Aug 74 806-808 (1D10)
- Comments by Kenyon, N. D.; *May* 75 454-455
- Trambarulo, R., see Glance, B.; *T-MTT* v21 n2 Feb 73 117-118 (1F03)
- Trambarulo, Ralph F.; A 30-GHz inverted-microstrip circulator (Corresp.); *T-MTT* v19 n7 Jul 71 662-664 (2E05)
- Tranquilla, James M., and J. E. Lewis; On the propagation of leaky waves in a longitudinally slotted rectangular waveguide; *T-MTT* v28 n7 Jul 80 714-718
- Trembath, Charles L., David F. Wait, Glenn F. Engen, and William J. Foote; A low-temperature microwave noise standard; *T-MTT* v16 n9 Sep 68 709-714
- Tremere, Douglas A., see Oakes, James G.; *T-MTT* v24 n6 Jun 76 305-311 (1C03)
- Tresselt, C. P.; The design and construction of broadband, high-directivity, 90-degree couplers using nonuniform line techniques; *T-MTT* v14 n12 Dec 66 647-656
- Tresselt, C. P.; Broadband tapered-line phase shift networks (Corresp.); *T-MTT* v16 n1 Jan 68 51-52
- Tresselt, C. P.; Design and computed theoretical performance of three classes of equal-ripple nonuniform line couplers; *T-MTT* v17 n4 Apr 69 218-230
- Tresselt, C. P.; Broad-band high IF mixers based on magic T's (Corresp.); *T-MTT* v18 n1 Jan 70 58-60
- Trew, R. J., Nino A. Masnari, and George I. Haddad; Optimization of S-band TRAPATT oscillators; *T-MTT* v22 n12 Dec 74 1166-1170 (3D06)
- Trew, R. J., George I. Haddad, and N. A. Masnari; The operation of S-band TRAPATT oscillators with tuning at multiple harmonic frequencies (Short p.); *T-MTT* v23 n12 Dec 75 1043-1047 (2A08)
- Trew, Robert J., Nino A. Masnari, and George I. Haddad; Intermodulation characteristics of X-band IMPATT amplifiers; *T-MTT* v20 n12 Dec 72 805-812 (1C04)
- Trew, Robert J.; Design theory for broad-band YIG-tuned FET oscillators; *T-MTT* v27 n1 Jan 79 9-14 (1A10)
- Tribby, D. E., see Clark, J.; *T-MTT* v11 n5 Sep 63 447-449
- Trick, Timothy N., and Jiri Vlach; Computer-aided design of broad-band amplifiers with complex loads; *T-MTT* v18 n9 Sep 70 541-547
- Trick, Timothy N., see Sánchez-Sinencio, Edgar; *T-MTT* v22 n3 Mar 74 309-317 (2E05)
- Tripathi, V. K.; Loss calculations for coupler transmission-line structures (Corresp.); *T-MTT* v20 n2 Feb 72 178-180 (2D12)
- Tripathi, Vijai K.; Asymmetric coupled transmission lines in an inhomogeneous medium; *T-MTT* v23 n9 Sep 75 734-739 (1B02)
- Comments by Costamagna, E., and Maltese, U.; *Aug* 76 541
- Tripathi, Vijai K.; Equivalent circuits and characteristics of inhomogeneous nonsymmetrical coupled-line two-port circuits (Short p.); *T-MTT* v25 n2 Feb 77 140-142 (1E04)
- Tripathi, Vijai K.; On the analysis of symmetrical three-line microstrip circuits; *T-MTT* v25 n9 Sep 77 726-729 (1A10)
- Trivero, Paolo, see Corsi, S.; *T-MTT* v22 n12 Dec 74 1036-1041 (1E02)
- Trivero, Paolo, see Dall'Oglio, G.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Tromp, H.; Exact calculation of the uncertainty on the input reflection coefficient of arbitrary two ports due to mismatches and arbitrary reference planes; *T-MTT* v26 n12 Dec 78 973-978 (1D09)
- Tromp, Herman, see Bandler, John W.; *T-MTT* v24 n4 Apr 76 188-194. Correction, *May* 77 445 (1B12)
- Tromp, Herman, see Bandler, John W.; *T-MTT* v24 n9 Sep 76 584-591 (1C12)
- Troy, Ballard E., Jr., see Hollinger, James P.; *T-MTT* v24 n11 Nov 76 786-793 (2B05)
- True, Robert M.; High-power S-band power divider (Corresp.); *T-MTT* v15 n10 Oct 67 584-586
- True, Robert M., see DeCamp, Edward E., Jr.; *T-MTT* v19 n1 Jan 71 100-103 (2E08)
- Tryon, Peter V., see Komarek, Ernest L.; *T-MTT* v22 n12 Dec 74 1260-1267 (4E03)
- Tsai, Leonard L., see Wu, Te-Kao; *T-MTT* v25 n1 Jan 77 61-65. Correction, *Aug* 77 712 (1E07)
- Tsai, Wei Ching, Fred J. Rosenbaum, and Lee A. MacKenzie; Circuit analysis of waveguide-cavity Gunn-effect oscillator; *T-MTT* v18 n11 Nov 70 808-817
- Tsai, Wei Ching, and Fred J. Rosenbaum; Amplitude and frequency modulation of a waveguide cavity CW Gunn oscillator; *T-MTT* v18 n11 Nov 70 877-884
- Tsandoulas, G. N.; The effect of surface impedance variation on surface wave propagation along a rod waveguide (Corresp.); *T-MTT* v16 n10 Oct 68 886-888
- Tsandoulas, G. N., Donald H. Temme, and Frank G. Willwerth; Longitudinal section mode analysis of dielectrically loaded rectangular waveguides with application to phase shifter design; *T-MTT* v18 n2 Feb 70 88-95 (1C02)
- Comments, *T-MTT* v20 n6 Jun 72 421-422 (2C08)
- Tsandoulas, G. N., and William J. Ince; Modal inversion in circular waveguides—Part I: Theory and phenomenology; *T-MTT* v19 n4 Apr 71 386-392 (1E06)
- Tsandoulas, G. N., see Ince, William J.; *T-MTT* v19 n4 Apr 71 393-400 (2B01)
- Tsandoulas, G. N., Frank G. Willwerth, and William J. Ince; LSE₂₀-mode characteristics in phase-shifter parametrization; *T-MTT* v20 n4 Apr 72 253-258 (1B11)
- Tsandoulas, G. N.; Bandwidth enhancement in dielectric-lined circular waveguides (Short p.); *T-MTT* v21 n10 Oct 73 651-654 (1F05)
- Tsandoulas, G. N., see Chen, Ming Hui; *T-MTT* v22 n8 Aug 74 801-804 (1D05)
- Tsandoulas, G. N.; Propagation in dielectric-lined square waveguides; *T-MTT* v23 n5 May 75 406-410 (1A08)
- Tsang, Bangju, see Simpson, Ted L.; *T-MTT* v24 n2 Feb 76 106-108 (1C12)
- Tsang, D. Y., see Garver, R. V.; *T-MTT* v9 n2 Mar 61 202
- Tserng, Hua Quen, Vladimir Sokolov, H. Michael Macksey, and William R. Wiseman; Microwave power GaAs FET amplifiers; *T-MTT* v24 n12 Dec 76 936-943 (1C10)
- Tserng, Hua Quen, Donald J. Coleman Jr., Friedrich H. Doerbeck, Don W. Shaw, and William R. Wiseman; A 12-W GaAs Read-diode amplifier at X band; *T-MTT* v26 n10 Oct 78 774-778 (1F02)
- Tsironis, C., and U. Niggebrügge; High frequency Si-MOSFETs; *T-MTT* v27 n12 Dec 79 1052-1058 (2C03)
- Tsu, Raphael, see Kirschbaum, Herbert S.; *T-MTT* v7 n1 Jan 59 142-148
- Tsui, J., see Huang, Chern I.; *T-MTT* v24 n1 Jan 76 61-63 (1E07)
- Tsujii, Mikio, Kunitaka Kawai, Hiroshi Shigesawa, and Kei Takiyama; Submillimeter guided-wave experiments with polyethylene slab waveguides; *T-MTT* v27 n11 Nov 79 873-878 (1A03)
- Tsuruta, Koichi, and Ryuiti Terakado; Easy determination of the characteristic impedance of the coaxial system consisting of an inner regular polygon concentric with an outer circle (Short p.); *T-MTT* v28 n2 Feb 80 147-149
- Tsutsumi, Makoto, see Bhattacharyya, Tushar; *T-MTT* v24 n4 Apr 76 226-230 (1E08)
- Tsutsumi, Makoto, Tushar Bhattacharyya, and Nobuaki Kumagai; Effect of the

- magnetic perturbation on magnetostatic surface wave propagation; *T-MTT v24 n9 Sep 76 591-597* (1D05)
- Tsutsumi, Makoto**, Yasunori Sakaguchi, and Nobuaki Kumagai; Behavior of the magnetostatic wave in a periodically corrugated YIG slab (Short p.); *T-MTT v25 n3 Mar 77 224-228*. Correction, May 78 374 (1E02)
- Tsutsumi, Makoto**, and Nobuaki Kumagai; Behavior of Bleustein-Gulyaev waves in a periodically corrugated piezoelectric crystal; *T-MTT v28 n6 Jun 80 627-632*
- Tu, Peter J.**; A computer-aided design of a microwave delay equalizer; *T-MTT v17 n8 Aug 69 626-634*
- Tuan, Hang-Sheng**, and S. R. Seshadri; Radiation from a uniformly moving charge in an anisotropic plasma; *T-MTT v11 n6 Nov 63 462-471*
- Tuan, Hang-Sheng**; Mode theory of waveguide filled with warm uniaxial plasma; *T-MTT v17 n3 Mar 69 134-137*
- Tuan, Hang-Sheng**; On the properties of warm-plasma-filled rectangular waveguide with strong transverse magnetic field (Corresp.); *T-MTT v17 n3 Mar 69 164-165*
- Tuan, Hang-Sheng**, and Chi-Pin Chang; Tapping of Love waves in an isotropic surface waveguide by surface-to-bulk wave transduction; *T-MTT v20 n7 Jul 72 472-477* (2B01)
- Tuan, Hang-Sheng**, see Chang, Chi-Pin; *T-MTT v21 n8 Aug 73 558-560* (2C04)
- Tuan, Hang-Sheng**; see Parekh, Jayantkumar P.; *T-MTT v26 n12 Dec 78 1039-1044* (2B09)
- Tuchendler, J.**, Y. Couder, Y. Alpert, and H. Thomé; Submillimeter EPR spectrum of Fe^{3+} in hemoglobin (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74 1117* (2D02)
- Tucker, J. R.**; Theory of an FIR gas laser (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74 1117* (2C14)
- Tucker, Rodney S.**; Gain-bandwidth limitations of microwave transistor amplifiers; *T-MTT v21 n5 May 73 322-327* (1B12)
- Tucker, Rodney S.**; Low-noise design of microwave transistor amplifiers (Short p.); *T-MTT v23 n8 Aug 75 697-700* (2A01)
- Tucker, Rodney S.**; Third-order intermodulation distortion and gain compression in GaAs FET's; *T-MTT v27 n5 May 79 400-408* (1C10)
- Tufekcioglu, Ahmet**, see Knorr, Jeffrey B.; *T-MTT v23 n9 Sep 75 725-728* (1A07)
- Tuhä, H.**, see Marha, K.; *San Francisco Press* (San Francisco, CA) 1971
- Tulaja, Volker**, Burkhard Schiek, and Jürgen Köhler; An interdigitated 3-dB coupler with three strips; *T-MTT v26 n9 Sep 78 643-645* (1B03)
- Tully, John W.**, see Sun, C.; *T-MTT v27 n5 May 79 512-514* (2D11)
- Turgeon, L. J.**, see McIntosh, R. E.; *T-MTT v22 n11 Nov 74 952-954* (1C14)
- Turgeon, Luke J.**, see McIntosh, Robert E.; *T-MTT v21 n3 Mar 73 139-142* (1C09)
- Turner, Edward F., Jr.**, see Garver, Robert V.; *T-MTT v8 n1 Jan 60 108-111*
- Turner, Edward H.**; A fast ferrite switch for use at 70 kmc; *T-MTT v6 n3 Jul 58 300-303*
- Turner, James A.**, see Abbott, David A.; *T-MTT v24 n6 Jun 76 317-321* (1D01)
- Turner, James A.**, see Slaymaker, Nicholas A.; *T-MTT v24 n6 Jun 76 329-337* (1D13)
- Turner, R.**; Plasma effects in the HCN laser (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74 1118* (2D01)
- Tuttle, Lauren P., Jr.**, see Wanselow, Robert D.; *T-MTT v7 n1 Jan 59 168-173*
- Tweed, Edward D.**, see Jelsma, Lawrence F.; *T-MTT v18 n9 Sep 70 648-649*
- Tyras, George**, and Gedaliah Held; Radiation from a rectangular waveguide filled with ferrite; *T-MTT v6 n3 Jul 58 268-277*
- Comments*, *T-MTT v10 n1 Jan 62 88*
- Tyras, George**; The permeability matrix for a ferrite medium magnetized at an arbitrary direction and its eigenvalues (Corresp.); *T-MTT v7 n1 Jan 59 176-177*
- ## U
- Uchida, Naoya**, see Kitayama, Kenichi; *T-MTT v28 n6 Jun 80 604-608*
- Uchida, Teiji**, see Kawahashi, Takeshi; *T-MTT v7 n2 Apr 59 247-256*
- Uchizaki, Ichiro**, Shigekazu Hori, Yuji Oda, and Naotaka Tomita; 3-GHz 15-W silicon bipolar transistors; *T-MTT v27 n12 Dec 79 1038-1042* (2B03)
- Uebele, George S.**; Characteristics of ferrite microwave limiters; *T-MTT v7 n1 Jan 59 18-23*
- Ueda, Osamu**, see Miyauchi, Kazuhiro; *T-MTT v12 n3 May 64 368-369*
- Ueda, Tomio**, see Yamashita, Eikichi; *T-MTT v27 n12 Dec 79 1036-1038* (2B01)
- Uehara, Y.**, see Okoshi, T.; *T-MTT v24 n10 Oct 76 662-668* (1C06)
- Uenakada, Katsuaki**; Equivalent circuit of reentrant cavity (Short p.); *T-MTT v21 n1 Jan 73 48-51* (2B01)
- Uenakada, Katsuaki**, see Konishi, Yoshihiro; *T-MTT v22 n4 Apr 74 451-454* (2C13)
- Uenakada, Katsuaki**, see Konishi, Yoshihiro; *T-MTT v22 n10 Oct 74 869-873* (1B09)
- Uhlir, A., Jr.**; Comments on 'Accurate determination of varactor resistance at UHF and its relation to parametric amplifier noise temperature' by Inal, K., and Toker, C.; *T-MTT v21 n10 Oct 73 654*
- Uhlir, A., Jr.**; Correction for adapters in microwave measurements (Short p.); *T-MTT v22 n3 Mar 74 330-332* (3A14)
- Uhlir, A., Jr.**; Group-delay smoothing by noncentral statistics (Ltr.); *T-MTT v22 n3 Mar 74 339-340* (3B09)
- Uhlir, Arthur, Jr.**; Bounds on output VSWR of a passive reciprocal two-port from forward measurements (Corresp.); *T-MTT v18 n9 Sep 70 662-663*
- Uhlir, Arthur, Jr.**; Automatic microwave Q measurement for determination of small attenuations; *T-MTT v20 n1 Jan 72 38-41* (1E04)
- Uhlir, Arthur, Jr.**; Frequency-domain characterization of microwave delay lines; *T-MTT v20 n1 Jan 72 51-53* (1F05)
- Uhlir, Arthur, Jr.**, see Benson, Walter S., Jr.; *T-MTT v25 n4 Apr 77 335-338* (2A12)
- Uliana, Enzo A.**, see Kenney, James E.; *T-MTT v27 n12 Dec 79 1080-1092* (2E03)
- Ulrich, B. T.**, see Levinson, M. T.; *T-MTT v22 n12 Dec 74 1117* (2C14)
- Ulrich, Gerhard**, see Thaler, Hans-Jörg; *T-MTT v19 n8 Aug 71 692-705* (1C10)
- Ulrich, R. K. F.**, Renk, and L. Genzel; Tunable submillimeter interferometers of the Fabry-Perot type; *T-MTT v11 n5 Sep 63 363-371*
- Ulriksson, Bengt**; Continuous varactor-diode phase shifter with optimized frequency response; *T-MTT v27 n7 Jul 79 650-654* (1B10)
- Umebu, Itsuo**, see Ito, Yukio; *T-MTT v19 n12 Dec 71 900-905* (1B08)
- Umeno, Masayoshi**, see Yoshida, Toshio; *T-MTT v20 n11 Nov 72 739-743* (1D03)
- Umeno, Masayoshi**, see Kawasaki, Kiyohiro; *T-MTT v22 n4 Apr 74 391-394* (1C13)
- Umeno, Masayoshi**, see Kawasaki, Kiyohiro; *T-MTT v22 n11 Nov 74 918-924* (1A08)
- Umeno, Masayoshi**, see Kawasaki, Kiyohiro; *T-MTT v22 n11 Nov 74 924-929* (1A14)
- Unz, H.**; Some remarks on 'Radiation from a rectangular waveguide filled with ferrite' (Corresp.); *T-MTT v10 n1 Jan 62 88-89*
- Unz, H.**, see Chien, T. M.; *T-MTT v13 n1 Jan 65 137-138*
- Unz, H.**, see Kalluri, D.; *T-MTT v15 n5 May 67 326-327*
- Unz, Hillel**, see Butler, J. K.; *T-MTT v11 n2 Mar 63 153*
- Unz, Hillel**; Propagation in arbitrarily magnetized ferrites between two conducting parallel planes; *T-MTT v11 n3 May 63 204-210*
- Unz, Hillel**; Normal incidence on semi-infinite longitudinally drifting magneto-plasma: The nonrelativistic solution (Corresp.); *T-MTT v15 n7 Jul 67 432-433*
- Upadhyayula, Chainulu L.**, see Perlman, Barry S.; *T-MTT v18 n11 Nov 70 911-921*
- Upadhyayula, Chainulu L.**, Rene E. Smith, James F. Wilhelm, Stuart T. Jolly, and John P. Paczkowski; Transferred electron logic devices for gigabit-rate signal processing; *T-MTT v24 n12 Dec 76 920-926* (1B08)
- Uptain, S. T.**, and N. F. Audet; Transverse resonance solution of uniform trapezoidal waveguides (Corresp.); *T-MTT v14 n3 Mar 66 158*
- Ura, Katsumi**, see Takaoka, Akio; *T-MTT v28 n6 Jun 80 654-662*
- Utsumi, Yozo**, see Konishi, Yoshihiro; *T-MTT v24 n2 Feb 76 112-114* (1D04)
- Uzdy, Z.**; Computer-aided design of stripline ferrite junction circulators (Short p.); *T-MTT v28 n10 Oct 80 1134-1136*
- Uzunoglu, Nikolaos K.**, and P. Katechi; Coupled microstrip disk resonators; *T-MTT v28 n2 Feb 80 94-97*
- Uzunoglu, Vasil**; Parametric amplification (Corresp.); *T-MTT v11 n3 May 63 211*
- ## V
- Vaccaro, Frank E.**, Edward E. Bliss, Dietmar Zieger, and Richard P. Lorentzen; Product design of a high-power S-band MIC module for phased arrays; *T-MTT v19 n7 Jul 71 609-616* (1E07)
- Vadopalas, P.**, and E. G. Cristal; Coupled rods between ground planes (Corresp.); *T-MTT v13 n2 Mar 65 254-255*
- Vafiades, Basil C.**, see Duncan, B. J.; *T-MTT v6 n4 Oct 58 411-414*
- Vaid, J. K.**, see Parkash, Anand; *T-MTT v27 n9 Sep 79 791-795* (1B11)
- Vaillancourt, R. M.**; Analysis of the variable-ratio microwave power divider (Corresp.); *T-MTT v6 n2 Apr 58 238-239*
- Vaillancourt, Raymond M.**, see Collin, Robert E.; *T-MTT v5 n3 Jul 57 177-184*
- Vaillancourt, Raymond M.**; Errors in a magic-tee phase changer; *T-MTT v5 n3 Jul 57 204-208*
- Vaitkus, Rimantas L.**, see Arnold, Robert P.; *T-MTT v22 n11 Nov 74 964-965* (1D12)
- Valdoni, F.**, see Bernardi, P.; *T-MTT v16 n2 Feb 68 126-127*
- Valdoni, F.**, see Falciaesca, G.; *T-MTT v21 n3 Mar 73 154*
- Valdoni, F.**, see Bernardi, P.; *T-MTT v24 n5 May 76 264-266* (1C02)
- Valdoni, Francesco**, see Mastellari, G. Antonio; *T-MTT v20 n1 Jan 72 17-21* (1C07)
- Valdoni, Francesco**, see Falciaesca, G.; *T-MTT v21 n3 Mar 73 154* (1D12)
- Valenzuela, G. R.**; The cutoff wavelengths of composite waveguides (Corresp.); *T-MTT v9 n4 Jul 61 363-364*
- Valenzuela, G. R.**, see Raker, H. D.; *T-MTT v10 n5 Sep 62 392-393*
- Valenzuela, G. R.**; Millimeter transmission by oversize and shielded-beam waveguides (Corresp.); *T-MTT v11 n5 Sep 63 429-430*
- Valenzuela, Gaspar R.**; Impedances of an elliptic waveguide (for the eH_1 mode); *T-MTT v8 n4 Jul 60 431-435*. Correction, Jan 61 38
- Van Bladel, J.**; Boundary excitation of waveguides containing anisotropic media (Corresp.); *T-MTT v11 n5 Sep 63 437-438*
- Van Bladel, J.**; Coupling to a desired wave (Corresp.); *T-MTT v15 n4 Apr 67 268-269*
- Van Bladel, J.**, see Verplanken, M.; *T-MTT v24 n2 Feb 76 108-112*
- Van Bladel, Jean**, see Lagasse, Paul; *T-MTT v20 n5 May 72 331-337* (1E02)
- Van Bladel, Jean**; High-permittivity dielectrics in waveguides and resonators; *T-MTT v22 n1 Jan 74 32-37* (1C06)
- Van Bladel, Jean**; On the resonances of a dielectric resonator of very high permittivity; *T-MTT v23 n2 Feb 75 199-208* (1B03)
- Van Bladel, Jean**; The excitation of dielectric resonators of very high permittivity; *T-MTT v23 n2 Feb 75 208-217* (1B12)
- Van Bladel, Jean**, see Verplanken, Marleen; *T-MTT v27 n4 Apr 79 328-333* (1C10)
- Van Bladel, Jean G.**, and Oscar E. Von Rohr Jr.; Semicircular ridges in rectangular waveguides; *T-MTT v5 n2 Apr 57 103-106*
- Van Bladel, Jean G.**; Sets of eigenvectors for volumes of revolution; *T-MTT v8 n3 May 60 309-319*
- Van Bladel, Jean G.**; Field expansions in cavities containing gyrotropic media; *T-MTT v10 n1 Jan 62 9-13*
- Van Bladel, Jean G.**; The matrix formulation of scattering problems; *T-MTT v14 n3 Mar 66 130-135*
- VanBlaricum, Glenn F., Jr.**, and Raj Mittra; A modified residue-calculus technique for solving a class of boundary value problems—Part I: Waveguide discontinuities; *T-MTT v17 n6 Jun 69 302-309*
- VanBlaricum, Glenn F., Jr.**, and Raj Mittra; A modified residue-calculus technique for solving a class of boundary value problems—Part II: Waveguide phased arrays, modulated surfaces, and diffraction gratings; *T-MTT v17 n6 Jun 69 310-319*
- Van Blaricum, Michael L.**; The coupling of a single-ridge waveguide to a Fabry-Perot resonator (Short p.); *T-MTT v23 n11 Nov 75 931-934* (1F11)
- van der Heyden, Bernard F.**; Design of stable, very low noise, cavity-stabilized IMPATT oscillators for C band; *T-MTT v25 n4 Apr 77 318-323* (1F10)
- van der Pauw, Leo J.**; The radiation of electromagnetic power by microstrip configurations; *T-MTT v25 n9 Sep 77 719-725* (1A03)
- van der Puij, P. D.**, see Mazumder, Shamsur R.; *T-MTT v26 n6 Jun 78 417-420* (1C11)
- van der Vorst, Adriaan C. A.**, see Dijk, Jakob; *T-MTT v20 n1 Jan 72 48-51* (1F02)
- Vander Vorst, André S.**, and René Govaerts; On the accuracy obtained when using variational techniques for asymmetrically loaded waveguides (Corresp.); *T-MTT v17 n1 Jan 69 51-52*
- Vander Vorst, André S.**, see Gardiol, F. E.; *T-MTT v17 n1 Jan 69 56-57*
- Vander Vorst, André S.**, Auguste A. Laloux, and René J. M. Govaerts; A computer optimization of the Rayleigh-Ritz method; *T-MTT v17 n8 Aug 69 454-460*. Correction, Jul 70 412
- Vander Vorst, André S.**, and René J. M. Govaerts; Application of a variation-iteration method to inhomogeneously loaded waveguides; *T-MTT v18 n8 Aug 70 468-475*
- Vander Vorst, André S.**, see Gardiol, Fred E.; *T-MTT v19 n3 Mar 71 315-322* (2B01)
- Vander Vorst, André S.**, see Decroton, Marc; *T-MTT v19 n3 Mar 71 322-331* (2B08)
- Vander Vorst, André S.**, see Cermak, Ivan A.; *T-MTT v22 n3 Mar 74 155-160* (1A05)
- Vander Vorst, André S.**, see Laloux, Auguste A.; *T-MTT v22 n3 Mar 74 229-236* (1F09)

- van der Ziel, A.: Noise in double-injection space-charge-limited solid-state diodes (Corresp.); *T-MTT* v16 n5 May 68 308
- van de Vaart, H.: A dispersionless variable microwave delay line (Corresp.); *T-MTT* v16 n11 Nov 68 965-966
- van de Vaart, H., and L. R. Schissler: Acoustic surface-wave recirculating memory; *T-MTT* v21 n4 Apr 73 236-243 (2C09)
- Van Doeren, R. E.: Polarization transformation in twisted anisotropic media; *T-MTT* v14 n3 Mar 66 106-111
Comments, *T-MTT* v14 n11 Nov 66 579
- Van Duzer, Theodore: Josephson digital devices and circuits; *T-MTT* v28 n5 May 80 491-500
- van Heuven, J. H. C. and Aart G. van Nie: Properties of microstrip lines on fused quartz (Corresp.); *T-MTT* v18 n2 Feb 70 113-114
- van Heuven, J. H. C.: Conduction and radiation losses in microstrip (Short p.); *T-MTT* v22 n9 Sep 74 841-844 (1B09)
- van Heuven, J. H. C.: A new integrated waveguide-microstrip transition (Short p.); *T-MTT* v24 n3 Mar 76 144-147 (1B04)
- van Heuven, Johan H. C., and T. H. A. M. Vlek: Anisotropy in alumina substrates for microstrip circuits (Short p.); *T-MTT* v20 n11 Nov 72 775-777 (2B06)
- Van Hook, H. Jerrold, see Green, Jerome J.; *T-MTT* v25 n2 Feb 77 155-159 (1F05)
- van Iperen, B. B.: Impedance relations in a diode waveguide mount (Corresp.); *T-MTT* v16 n11 Nov 68 961-963
- VanKoughnett, Roy, see Steenaert, Willem; *T-MTT* v26 n12 Dec 78 927-931 (1A05)
- Vann, R., see Sopori, B. L.; *T-MTT* v22 n7 Jul 74 754-755 (1D06)
- van Nie, Aart G., see Severin, Piet J. W.; *T-MTT* v14 n9 Sep 66 431-436
- van Nie, Aart G., see van Heuven, J. H. C.; *T-MTT* v18 n2 Feb 70 113-114
- Vanooteghem, H., see Hoffman, G.; *T-MTT* v20 n10 Oct 72 709-710 (2C09)
- van Weizenis, R. G., and D. Daub: Spectrum analysis of nanosecond pulses (Corresp.); *T-MTT* v18 n5 May 70 280-282
- Varon, Dan: Radial line band rejection filters in coaxial waveguides; *T-MTT* v15 n12 Dec 67 680-687
- Varon, Dan, see Cermak, Ivan A.; *T-MTT* v22 n3 Mar 74 155-160 (1A05)
- Vartanian, P. H., J. L. Melchor, and W. P. Ayres: Broadband ferrite microwave isolator; *T-MTT* v4 n1 Jan 56 8-13
- Vartanian, P. H., and E. T. Jaynes: Propagation in ferrite-filled transversely magnetized waveguide; *T-MTT* v4 n3 Jul 56 140-143
- Vartanian, P. H., W. P. Ayres, and Alan L. Helgeson: Propagation in dielectric slab loaded rectangular waveguide; *T-MTT* v6 n2 Apr 58 215-222
- Vartanian, Perry H., see Melchor, Jack L.; *T-MTT* v7 n1 Jan 59 15-18
- Vasile, C. F., see LaRosa, R.; *T-MTT* v14 n10 Oct 66 495-496. Correction, Feb 67 136
- Vasile, Carmine F.: Simplifying Maxwell's equations in gyrotropic media (Corresp.); *T-MTT* v15 n5 May 67 324-325
- Vaslow, Dale F.: Surface wave on a ferrite magnetized perpendicular to the interface (Short p.); *T-MTT* v22 n7 Jul 74 743-745 (1C09)
- Vassallo, C.: On a direct use of edge condition in modal analysis (Short p.); *T-MTT* v24 n4 Apr 76 208-212 (1D04)
- Vassallo, Charles: Contribution to the problem of orthogonality relations for magnetoplasma-filled waveguides (Corresp.); *T-MTT* v19 n1 Jan 71 93-94 (2E01)
- Vassallo, Charles: Comments on 'Use of symmetry in the variational treatment of a magnetoplasma-filled waveguide; *T-MTT* v19 n3 Mar 71 338-339 (2C12)
- Vassallo, Charles: On the expansion of axial field components in terms of normal modes in perturbed waveguides (Ltr.); *T-MTT* v23 n2 Feb 75 264-265 (1F12)
- Vassallo, Charles: Linear power responses of an optical fiber; *T-MTT* v25 n7 Jul 77 572-576 (1A08)
- Vaterkowski, J. L., see Rolland, Paul-Alain; *T-MTT* v24 n11 Nov 76 768-775 (2A01)
- Vaughan, J. R. M.: Comments on 'The resonant frequency and tuning characteristics of a narrow-gap reentrant cylindrical cavity' by Williamson, A. G.; *T-MTT* v25 n7 Jul 77 625
- Vaughan, J. Rodney M.: Routine to supply Bessel functions as required in BASIC programs; *T-MTT* v18 n8 Aug 70 511-512
- Vautey, René, see Milosevic, Ljubimko J.; *T-MTT* v6 n2 Apr 58 136-143
- Vavilov, V. S., V. A. Zayats, V. L. Kononenko, T. S. Mandel'stam, and V. N. Murzin: Submillimeter absorption spectra and phase transition of indirect excitons in germanium; *T-MTT* v22 n12 Dec 74 1086-1089 (2A11)
- Velikov, L. V., see Rudashevsky, E. G.; *T-MTT* v22 n12 Dec 74 1064-1069 (1G02)
- Vendelin, George D., and Samuel A. Robinson: A power reflection technique for characterization of high quality varactor diodes; *T-MTT* v14 n12 Dec 66 603-608
- Vendelin, George D.: High-dielectric substrates for microwave hybrid integrated circuitry (Corresp.); *T-MTT* v15 n12 Dec 67 750-752
- Vendelin, George D., see Mao, Shing; *T-MTT* v16 n7 Jul 68 455-461
- Vendelin, George D.: Feedback effects in the GaAs MESFET model (Ltr.); *T-MTT* v24 n6 Jun 76 383-385 (2B03)
- Venema, A., and J. J. M. Dekkers: Enhancement of surface-acoustic-wave piezoelectric coupling in three-layer substrates (Short p.); *T-MTT* v23 n9 Sep 75 765-767 (1D05)
- Venema, Adrian, Jozef J. M. Dekkers, and R. F. Humphries: Static capacitance calculations for a surface acoustic wave interdigital transducer in multilayered media; *T-MTT* v26 n4 Apr 78 294-297 (1F02)
- Venkateswara Rao, V., see Narasimhan, M. S.; *T-MTT* v22 n11 Nov 74 973
- Verbitskii, I. L.: Dispersion relations for comb-type slow-wave structures; *T-MTT* v28 n1 Jan 80 48-50
- Verdeyen, Joseph T., see Fein, Michael E.; *T-MTT* v20 n1 Jan 72 22-30 (1C12)
- Verdeyen, Joseph T., see Fein, Michael E.; *T-MTT* v20 n1 Jan 72 83 (2D06)
- Verdun, H. R., and H. D. Drew: Alfven wave transmission study of bismuth in the far infrared (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Verge-Lapisardi, Mylene, see Rivier, Edouard; *T-MTT* v19 n3 Mar 71 309-314 (1F05)
- Vernet, G., J. C. Henaux, and R. Adde: The Josephson self-oscillator mixer as a submillimeter and far-infrared detector; *T-MTT* v25 n6 Jun 77 473-476 (1B07)
- Vernon, Frank L., Jr., Michael F. Millea, Martin F. Bottjer, Arnold H. Silver, Robert J. Pedersen, and Malcolm McColl: The super-Schottky diode; *T-MTT* v25 n4 Apr 77 286-294 (1D06)
- Vernon, R. J.: Note on reflectometer for measuring the magneto-microwave Kerr effect in semiconductors (Corresp.); *T-MTT* v16 n4 Apr 68 262
- Vernon, R. J., see Hieber, A. L.; *T-MTT* v21 n8 Aug 73 547-552 (2B05)
- Vernon, Ronald J., and Terry A. Dorschner: An improved interferometric polarization analyzer for measuring the microwave magneto-Kerr effect in semiconductors; *T-MTT* v19 n3 Mar 71 287-294 (1D07)
- Veron, D.: First experimental results of high precision interferometry at 337 μm on a tokamak plasma (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1117 (1C14)
- Veron, D., see Belland, P.; *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Ver Planck, Peter: Avalanche diode superregenerative amplifier (Corresp.); *T-MTT* v17 n3 Mar 69 171-172
- Verplanken, M., and J. Van Bladel: The electric-dipole resonances of ring resonators of very high permittivity (Short p.); *T-MTT* v24 n2 Feb 76 108-112
- Verplanken, Marleen, and Jean Van Bladel: The magnetic-dipole resonances of ring resonators of very high permittivity; *T-MTT* v27 n4 Apr 79 328-333 (1C10)
- VerWys, George A., see Luksch, James A.; *T-MTT* v9 n1 Jan 61 44-52
- Verzino, Joseph W.: Computer programs for Smith-chart solutions; *T-MTT* v17 n8 Aug 69 649-650
- Veszely, Gy., see Bittar, G.; *T-MTT* v28 n7 Jul 80 807-808
- Vetter, M. J.: Linear tuning of a microwave cavity (Corresp.); *T-MTT* v13 n6 Nov 65 880
- Vetter, Richard J., see Elle, Donald R.; *T-MTT* v21 n12 Dec 73 836-837 (3B04)
- Vice, David G.: Parametric amplifier noise analysis; *T-MTT* v13 n2 Mar 65 162-167
- Vickers, D. G., see Robson, E. I.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Vidula, B. Sarma, see Kajfez, Darko; *T-MTT* v28 n9 Sep 80 974-981
- Vieira, Victor R., see dos Santos, Antonio F.; *T-MTT* v20 n11 Nov 72 777 (2B08)
- Vigants, A., see Schlesinger, S. P.; *T-MTT* v8 n2 Mar 60 252-253
- Vigants, Arvids, see Diamant, Paul; *T-MTT* v9 n4 Jul 61 332-337
- Vigants, Arvids, and S. Perry Schlesinger: Surface waves on radially inhomogeneous cylinders; *T-MTT* v10 n5 Sep 62 375-382
- Vighe, Mats E.: Mixed two-port parameters for characterizing varactor mounts in waveguides (Corresp.); *T-MTT* v11 n3 May 63 218-219
- Vijayaraghavan, S., see Arora, R. K.; *T-MTT* v18 n10 Oct 70 734-736
- Vijayaraghavan, S., and R. K. Arora: Scattering of a shielded surface wave in a coaxial waveguide by a wall impedance discontinuity (Corresp.); *T-MTT* v19 n8 Aug 71 736-739 (2B09)
- Vijayaraghavan, Srinivasan, see Arora, Rajendra K.; *T-MTT* v20 n3 Mar 72 210-214 (1B12)
- Villeneuve, A. T., see Harrington, Roger F.; *T-MTT* v6 n3 Jul 58 308-310
- Villeneuve, Alfred T.: Orthogonality relationships for waveguides and cavities with inhomogeneous anisotropic media; *T-MTT* v7 n4 Oct 59 441-446
- Villeneuve, Alfred T.: Green's function techniques for inhomogeneous anisotropic media (Corresp.); *T-MTT* v9 n2 Mar 61 197-198
- Vilmur, Paul L., and Koryu Ishii: Line width and bandwidth of millimeter-wave resonance isolators; *T-MTT* v10 n2 Mar 62 108-113
- Vilmur, R. J., and K. Ishii: The channel waveguide (Corresp.); *T-MTT* v10 n3 May 62 220-224
- Vincent, Britton T.: Large signal operation of microwave transistors (Corresp.); *T-MTT* v13 n6 Nov 65 865-866
- Vincze, Arpad D.: Practical design approach to microstrip combline-type filters; *T-MTT* v22 n12 Dec 74 1171-1181 (3D11)
- Vinding, Jorgen P.: An automatic gain control system for microwaves; *T-MTT* v4 n4 Oct 56 244-245
- Virgile, Lucien G.: Deflection of waveguide subjected to internal pressure; *T-MTT* v5 n4 Oct 57 247-250
- Vlaardingerbroek, Marinus T., see Goedbloed, Jasper J.; *T-MTT* v25 n4 Apr 77 324-332 (2A01)
- Vlach, Jiri, see Trick, Timothy N.; *T-MTT* v18 n9 Sep 70 541-547
- Vlek, T. H. A. M., see van Heuven, Johan H. C.; *T-MTT* v20 n11 Nov 72 775-777 (2B06)
- Vogel, R. W.: Effects of the T-junction discontinuity on the design of microstrip directional couplers (Short p.); *T-MTT* v21 n3 Mar 73 145-146 (1D03)
- Vogelman, Joseph H.: High-power microwave filters; *T-MTT* v6 n4 Oct 58 429-439
- Vogelman, Joseph H.: High-power microwave rejection filters using higher-order modes; *T-MTT* v7 n4 Oct 59 461-465
- Vokes, J. C., see Lacey, S. D.; *T-MTT* v22 n12 Dec 74 1329-1331 (5D07)
- Voltmer, Fred W., see Schmidt, Ronald V.; *T-MTT* v17 n11 Nov 69 920-926
- von Ortenberg, M.: Submillimeter-laser magnetospectroscopy in tellurium making use of the Nernst effect; *T-MTT* v22 n12 Dec 74 1081-1085 (2A06)
- Von Rohr, Oscar E., Jr., see Van Bladel, Jean G.; *T-MTT* v5 n2 Apr 57 103-106
- Voss, W. A. G., see Johnston, D. A.; *T-MTT* v20 n8 Aug 72 547-549 (2B02)
- Voss, W. A. G., see Chaurasia, H. K.; *T-MTT* v21 n1 Jan 73 51-52 (2B04)
- Voss, W. A. G., see Nigrin, J.; *T-MTT* v23 n9 Sep 75 776-778
- Vystavkin, A. N., Yu. I. Kolesov, V. N. Listvin, and A. Ya. Smirnov: Submillimeter spectroradiometers with n-InSb detectors; *T-MTT* v22 n12 Dec 74 1041-1046 (1E07)

W

- Wachtel, H., see Joines, W. T.; *T-MTT* v24 n8 Aug 76 536-538 (1D06)
- Wacker, Paul F., and Ronald R. Bowman: Quantifying hazardous electromagnetic fields: Scientific basis and practical considerations; *T-MTT* v19 n2 Feb 71 178-187 (2B01)
- Wacker, Robert W., see Mehal, Edward W.; *T-MTT* v16 n7 Jul 68 451-454
- Wade, Glen, see Olson, Frank A.; *T-MTT* v9 n2 Mar 61 153-157
- Wade, W., see Peyton, B. J.; *T-MTT* v16 n5 May 68 319-320
- Wade, W., Jr., T. Collins, and R. Stern: Millimeter resonance isolator using chemically deposited ferrite films (Corresp.); *T-MTT* v10 n6 Nov 62 611
- Wade, W. L., Jr., R. Stern, and T. Collins: Millimeter resonance isolator utilizing multilayer Ni and NiZn ferrite films (Corresp.); *T-MTT* v13 n1 Jan 65 127-128
- Wadhwa, R. P., see Mishra, S. R.; *T-MTT* v18 n9 Sep 70 660-661
- Wadia, B. H., and Raman Lal Sarda: UHF resonator with linear tuning; *T-MTT* v8 n1 Jan 60 66-72
- Wagner, V., see Becker, C. R.; *T-MTT* v22 n12 Dec 74 1119 (2D02)
- Wahi, Pradeep, and K. C. Gupta: Effect of diode parameters on reflection-type phase shifters (Short p.); *T-MTT* v24 n9 Sep 76 619-621 (1F05)
- Wait, David F., and Toshio Nemoto: Measurement of the noise temperature of a mismatched noise source; *T-MTT* v16 n9 Sep 68 670-675
- Wait, David F.: Thermal noise from a passive linear multipoint; *T-MTT* v16 n9 Sep 68 687-691
- Wait, David F., see Trembath, Charles L.; *T-MTT* v16 n9 Sep 68 709-714
- Wait, David F., see Nemoto, Toshio; *T-MTT* v16 n10 Oct 68 866-873
- Wait, David F.: The precision measurement of noise temperature of mismatched noise generators; *T-MTT* v18 n10 Oct 70 715-724
- Wait, David F., and Robert W. Beatty: The 1973 International Microwave Symposium; *T-MTT* v21 n12 Dec 73 747-751 (1B04)

- Wait, James R.; Currents excited on a conducting surface of large radius of curvature; *T-MTT* v4 n3 Jul 56 143-145
- Wait, James R.; The impedance of a wire grid parallel to a dielectric interface; *T-MTT* v5 n2 Apr 57 99-102
- Wait, James R.; On the theory of shielded surface waves; *T-MTT* v15 n7 Jul 67 410-414
- Wait, James R., and David A. Hill; Propagation along a braided coaxial cable in a circular tunnel; *T-MTT* v23 n5 May 75 401-405 (1A03)
- Wait, James R., see Hill, David A.; *T-MTT* v24 n7 Jul 76 476-480 (2B07)
- Wait, James R.; Electromagnetic theory of the loosely braided coaxial cable: Part I; *T-MTT* v24 n9 Sep 76 547-553
- Wait, James R., and D. A. Hill; Influence of spatial dispersion of the shield transfer impedance of a braided coaxial cable (Ltr.); *T-MTT* v25 n1 Jan 77 72-74 (1F04)
- Wait, James R., see Seidel, David B.; *T-MTT* v26 n7 Jul 78 494-499 (1C12)
- Wait, James R., see Hill, David A.; *T-MTT* v28 n2 Feb 80 84-89
- Wait, James R., see Hill, David A.; *T-MTT* v28 n4 Apr 80 326-331
- Wakabayashi, Joseph, see Edson, William A.; *T-MTT* v18 n5 May 70 270-276
- Wakefield, J. P., see Little, W. E.; *T-MTT* v12 n2 Mar 64 247-248
- Waldman, J., and T. S. Chang; Recombination radiation from Landau states in impact ionized GaAs (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1117 (2C14)
- Waldner, Michael, see Nudd, Graham R.; *T-MTT* v22 n1 Jan 74 25-32 (1B13)
- Waldron, R. A., and S. P. Maxwell; Note on the measurement of material properties by the stripline cavity (Corresp.); *T-MTT* v13 n5 Sep 65 711
- Waldron, R. A.; Errors due to the uncertainty principle in swept-frequency cavity measurements of properties of materials (Corresp.); *T-MTT* v16 n5 May 68 314-315
- Waldron, R. A.; Some problems in the theory of guided microsonic waves; *T-MTT* v17 n11 Nov 69 893-904
- Waldron, R. A.; Comments on 'Modes of propagation in a coaxial waveguide with lossless reactive guiding surfaces' by Arora, R. K., et al.; *T-MTT* v21 n1 Jan 73 61-62
- Waldron, Richard A.; Theory of a strip-line cavity for measurement of dielectric constants and gyromagnetic-resonance line-widths; *T-MTT* v12 n1 Jan 64 123-131
- Wales, Robert C., see Millican, George L.; *T-MTT* v17 n9 Sep 69 696-705
- Walker, D., see Helsen, Joseph; *T-MTT* v19 n10 Oct 71 825-826 (1D11)
- Walker, George B., and C. G. Englefield; An apparent anomaly in the group and energy velocity in a dielectrically loaded slow-wave structure; *T-MTT* v10 n1 Jan 62 30-33
- Walker, George B., see James, C. R.; *T-MTT* v14 n9 Sep 66 428-430
- Walker, George B., see McDiarmid, Don R.; *T-MTT* v16 n1 Jan 68 2-6
- Walker, John L. B.; Exact and approximate synthesis of TEM-mode transmission-type directional filters; *T-MTT* v26 n3 Mar 78 186-192 (1D10)
- Walker, P. N., see Helsen, Joseph; *T-MTT* v26 n9 Sep 78 653-658 (1B13)
- Walker, Scott; Broadband stripline balun using quadrature couplers (Corresp.); *T-MTT* v16 n2 Feb 68 132-133
- Wall, Robert E., Jr., and Arthur E. Harrison; A method of forming a broad-band microwave frequency spectrum; *T-MTT* v3 n1 Jan 55 4-10
- Wallace, R. N., M. G. Adlerstein, and S. R. Steele; A 60-W CW solid-state oscillator at C band (Ltr.); *T-MTT* v24 n7 Jul 76 483-485 (2B14)
- Wallmark, J. T., and A. H. Danský; Nonlinear biasing resistors for microwave tunnel-diode oscillators (Corresp.); *T-MTT* v11 n4 Jul 63 260-262
- Walsh, Bernard L., Jr., see Mukaiyama, Tadao; *T-MTT* v10 n6 Nov 62 506-516
- Walsh, Edward J., see Kenney, James E.; *T-MTT* v27 n12 Dec 79 1080-1092 (2E03)
- Walsh, J. E., T. C. Marshall, M. R. Moss, and S. P. Schlesinger; Relativistic electron-beam-generated coherent submillimeter wavelength Cerenkov radiation; *T-MTT* v25 n6 Jun 77 561-563 (2C06)
- Walsh, Thomas E., see Siekanowicz, Wieslaw W.; *T-MTT* v17 n9 Sep 69 712-717
- Walsh, Thomas E., see Siekanowicz, Wieslaw W.; *T-MTT* v18 n4 Apr 70 212-216
- Walsh, Thomas E., see Perlman, B. S.; *T-MTT* v18 n8 Aug 70 507-508
- Waltz, Frederick M.; On the synthesis of dual-resonant coaxial cavities; *T-MTT* v12 n1 Jan 64 132-138
- Wang, Chia Chun, and Edward T. Kornhauser; Propagation on modulated corrugated rods; *T-MTT* v10 n3 May 62 161-165
- Wang, F. F. Y., see Ishii, K.; *T-MTT* v9 n4 Jul 61 362
- Wang, H. C., see Alley, Gary D.; *T-MTT* v27 n12 Dec 79 969-974 (1D03)
- Wang, Han-Chiu, see Tamir, Theodor; *T-MTT* v12 n3 May 64 323-335. Correction, Jan 65 141
- Wang, Han-Chiu, see Abele, Thomas A.; *T-MTT* v15 n10 Oct 67 566-574
- Wang, Han-Chiu, see Ren, Chung-Li; *T-MTT* v22 n12 Dec 74 1202-1209. Correction, Jun 75 537 (4A01)
- Wang, Johnson J. H.; Analysis of a three-dimensional arbitrarily shaped dielectric or biological body inside a rectangular waveguide; *T-MTT* v26 n7 Jul 78 457-462 (1A03)
- Wang, Patrick Hwayan, see Chen, Philip T.; *T-MTT* v27 n5 May 79 411-415 (1D07)
- Wang, Peter C., see Farhat, Nabil H.; *T-MTT* v22 n5 May 74 531-535 (1D11)
- Wang, Shih-Yuan, see Yngvesson, K. Sigfrid; *T-MTT* v24 n11 Nov 76 711-717 (1C03)
- Wang, Yen-Chu; Applications of Lagrange expansion to the problem of shielded surface waves (Corresp.); *T-MTT* v17 n4 Apr 69 236-237
- Wang, Yen-Chu; Cylindrical and cylindrically warped strip and microstriplines; *T-MTT* v26 n1 Jan 78 20-23 (1B08)
- Wang, Yen-Chu; The screening potential theory of excess conduction loss at millimeter and submillimeter wavelengths; *T-MTT* v26 n11 Nov 78 858-861 (1B02)
- Wanselow, Robert D., and Lauren P. Tuttle Jr.; Practical design of strip-transmission-line half-wavelength resonator directional filters; *T-MTT* v7 n1 Jan 59 168-173
- Wanselow, Robert D.; A nonreflective hybrid stop-band filter (Corresp.); *T-MTT* v10 n1 Jan 62 91
- Wanselow, Robert D.; A variable harmonic phase delay coaxial network (Corresp.); *T-MTT* v13 n5 Sep 65 708-709
- Wanselow, Robert D., and David A. Taggart; Circularly polarized equalizer networks (Short p.); *T-MTT* v22 n1 Jan 74 63-66 (1E09)
- Wanselow, Robert D., see Taggart, David A.; *T-MTT* v22 n10 Oct 74 898-902 (1D10)
- Wanselow, Robert D.; Prototype characteristics for a class of dual-mode filters (Short p.); *T-MTT* v23 n8 Aug 75 708-711 (2A12)
- Wantuch, E., and M. King; A high power X-band limiter (Corresp.); *T-MTT* v13 n6 Nov 65 868-869
- Wantuch, E., see Nelson, T.; *T-MTT* v18 n1 Jan 70 45-46
- Wantuch, Ernest, and Robert Q. Maines; A novel high-power harmonic suppressor; *T-MTT* v10 n6 Nov 62 428-431
- Ward, Charles S., Fred A. Jellison, Norman J. Brown, and Lawrence Gould; The arc loss of multimewatt gas discharge duplexers; *T-MTT* v13 n6 Nov 65 801-805
- Ward, R. D., see Itoh, Tsutomu; *T-MTT* v20 n12 Dec 72 847-849 (2B01)
- Warner, Frank L., see Meredith, Ronald; *T-MTT* v11 n5 Sep 63 397-411. Correction, Jul 64 471
- Warner, John; Faraday optical isolator/gyrator design in planar dielectric waveguide form; *T-MTT* v21 n12 Dec 73 769-775 (1D02)
- Warner, John; Nonreciprocal magneto-optic waveguides; *T-MTT* v23 n1 Jan 75 70-78 (1F02)
- Washio, M., see Shimamura, Tadao; *T-MTT* v26 n12 Dec 78 945-951 (1B09)
- Wasse, Michael P., and Edmund Denison; An array of pulsed X-band microstrip Gunn diode transmitters with temperature stabilization; *T-MTT* v19 n7 Jul 71 616-622 (1F02)
- Watanabe, K., see Yamada, R.; *T-MTT* v13 n5 Sep 65 716-717
- Watanabe, K., see Takao, I.; *T-MTT* v17 n2 Feb 69 124-125
- Watanabe, K.; Comments on 'Measurement of microwave loss tangent by means of microwave resonator bridge'; *T-MTT* v26 n4 Apr 78 314-315 (2A01)
- Watanabe, Kenzo, and Iwao Takao; Microwave oscillator noise measuring system employing a YIG discriminator (Short p.); *T-MTT* v22 n4 Apr 74 444-446 (2C06)
- Watanabe, Kenzo, and Iwao Takao; Optimum modulator design for a high-sensitivity homodyne system—Binary modulation method; *T-MTT* v23 n4 Apr 75 354-359 (1C04)
- Watanabe, Mitsuru, see Kamimura, Masao; *T-MTT* v18 n7 Jul 70 348-351
- Watanabe, Ryuichi; A novel polarization-independent beam splitter; *T-MTT* v28 n7 Jul 80 685-689
- Waters, D. M., see Thompson, M. C., Jr.; *T-MTT* v7 n3 Jul 59 388-389
- Watkins, D. A., see MacLean, T. S.; *T-MTT* v8 n2 Mar 60 251
- Watkins, J.; Radiation loss from open-circuited dielectric resonators (Short p.); *T-MTT* v21 n10 Oct 73 636-639 (1C02)
- Waugh, Raymond, and David LaCombe; 'Unfolding' the Lange coupler (Short p.); *T-MTT* v20 n11 Nov 72 777-779 (2B08)
- Waugh, Thomas M., see Dinger, Robert J.; *T-MTT* v22 n10 Oct 74 879-880 (1C05)
- Weaver, James, and Richard Alvarez; Accurate phase-length measurements of large microwave networks; *T-MTT* v14 n12 Dec 66 623-629
- Webb, D. C., see Rebsch, D. L.; *T-MTT* v13 n4 Jul 65 468-469
- Webb, Denis C., and Robert A. Moore; Solid-state YIG serrodyne; *T-MTT* v15 n7 Jul 67 421-427
- Webb, Denis C., see Ganguly, Achintya K.; *T-MTT* v23 n12 Dec 75 998-1006 (1E04)
- Webb, Denis C., see Ganguly, Achintya K.; *T-MTT* v26 n6 Jun 78 444-447 (1E10)
- Webb, John G., see Leighton, William H.; *T-MTT* v21 n12 Dec 73 809-814 (2C07)
- Weber, Ernst; Microwave—Science and art; *T-MTT* v3 n5 Oct 55 2-3
- Webster, William M.; Integrated microwave modules—A prospectus; *T-MTT* v16 n7 Jul 68 384-388
- Weeks, W. L.; Propagation constants in rectangular waveguide partially filled with dielectric (Corresp.); *T-MTT* v7 n2 Apr 59 294
- Weeks, William T.; Calculation of coefficients of capacitance of multiconductor transmission lines in the presence of a dielectric interface; *T-MTT* v18 n1 Jan 70 35-43
- Weglein, Rolf D.; Some limitations on parametric amplifier noise performance; *T-MTT* v8 n5 Sep 60 538-544
- Weglein, Rolf D., and Frank Keywell; A low-noise X-band parametric amplifier using a silicon mesa diode; *T-MTT* v9 n1 Jan 61 39-43
- Wegner, Donald R.; Tailored response microwave filter (Corresp.); *T-MTT* v17 n2 Feb 69 115-116
- Weidman, Manly P.; A semiautomated six port for measuring millimeter-wave power and complex reflection coefficient; *T-MTT* v25 n12 Dec 77 1083-1085 (2C01)
- Weidmann, Gerhard, see Thaler, Hans-Jorg; *T-MTT* v19 n8 Aug 71 692-705 (1C10)
- Weil, Claude M.; The characteristic impedance of rectangular transmission lines with thin center conductor and air dielectric; *T-MTT* v26 n4 Apr 78 238-242 (1B02)
- Weil, Claude M., see Hollis, Mark A.; *T-MTT* v28 n7 Jul 80 791-801
- Weiner, Donald D., and Gerald H. Naditch; Scattering variable approach to the Volterra analysis of nonlinear systems; *T-MTT* v24 n7 Jul 76 422-433 (1C04)
- Weiner, Melvin M.; Conditions for approximating the limit-TEM mode by a quasi-TEM mode in a ferrite-filled coaxial line (Ltr.); *T-MTT* v21 n3 Mar 73 156-157 (1E02)
- Weiner, Melvin Melvin; Propagation of the quasi-TEM mode in ferrite-filled coaxial line (Corresp.); *T-MTT* v14 n1 Jan 66 49-50
- Weingart, H., see Okean, H. C.; *T-MTT* v16 n12 Dec 68 1057-1059
- Weingart, Howard M., see Okean, Herman C.; *T-MTT* v19 n5 May 71 491-493 (2C05)
- Weinreb, Sander, Michael Balister, Stephen Maas, and Peter J. Napier; Multiband low-noise receivers for a very large array; *T-MTT* v25 n4 Apr 77 243-248 (1A05)
- Weinreb, Sander; Low-noise cooled GASFET amplifiers; *T-MTT* v28 n10 Oct 80 1041-1054
- Weinschel, Bruno O.; Letter to the Editor (regarding Russian paper of interest) (Corresp.); *T-MTT* v12 n1 Jan 64 145
- Weinschel, Bruno O., see Garver, Robert V.; *T-MTT* v20 n1 Jan 72 61-69 (2B08)
- Weir, W. B., see Robinson, Lloyd A.; *T-MTT* v20 n12 Dec 72 855-857 (2B09)
- Weirather, Robert R.; A small MIC coupler with good directivity (Ltr.); *T-MTT* v22 n1 Jan 74 70-71 (1F02)
- Weis, Michal, see Kneppo, Ivan; *T-MTT* v25 n5 May 77 418-423 (1F08)
- Weisbaum, S., see Boyet, H.; *T-MTT* v7 n4 Oct 59 475-476
- Weisbaum, Samuel, and Howard Boyet; Field displacement isolators at 4, 6, 11, and 24 kmc; *T-MTT* v5 n3 Jul 57 194-198
- Weisbrod, S., see Prager, H. John; *T-MTT* v18 n11 Nov 70 956-963
- Weisenberger, Wesley H., see Dodson, Brooks C., Jr.; *T-MTT* v22 n12 Dec 74 1239-1246 (4C10)
- Weiss, J. A.; The tetrahedral junction as a waveguide switch (Corresp.); *T-MTT* v8 n1 Jan 60 120-121
- Weiss, Jerald A.; Circulator synthesis; *T-MTT* v13 n1 Jan 65 38-44
- Weiss, Jerald A., see Betts, Foster; *T-MTT* v14 n12 Dec 66 665-669
- Weiss, Jerald A., see Ewing, Samuel D., Jr.; *T-MTT* v15 n11 Nov 67 623-628
- Weiss, Jerald A., see Bryant, Thomas G.; *T-MTT* v16 n12 Dec 68 1021-1027

- Weiss, Jerald A., and Thomas G. Bryant; Numerical determination of potential in inhomogeneous dielectrics by Earnshaw's theorem; *T-MTT v18 n9 Sep 70* 595-601
- Weiss, Jerald A., see Bryant, Thomas G.; *T-MTT v19 n4 Apr 71* 418-419 (2D02)
- Weiss, Jerald A.; Dispersion and field analysis of a microstrip meander line slow-wave structure; *T-MTT v22 n12 Dec 74* 1194-1201 (3F06)
- Weiss, M. T., and E. M. Gyorgy; Low loss dielectric waveguides; *T-MTT v2 n3 Sep 54* 38-44
- Weiss, M. T., and F. A. Dunn; A 5-mm resonance isolator (Corresp.); *T-MTT v6 n3 Jul 58* 331
- Weiss, Max T.; Improved rectangular waveguide resonance isolators; *T-MTT v4 n4 Oct 56* 240-243
- Weiss, Max T., see Hansen, Robert C.; *T-MTT v9 n4 Jul 61* 278-290
- Weiss, Max T., see Krupke, William F.; *T-MTT v9 n6 Nov 61* 472-480
- Weissberg, Efraim; Experimental determination of wavelength in dielectric-filled periodic structures (Corresp.); *T-MTT v7 n4 Oct 59* 480-481
- Weissman, D., see Rodriguez, M. J.; *T-MTT v10 n3 May 62* 219-220
- Welch, Bryant M., see Long, Stephen I.; *T-MTT v28 n5 May 80* 466-472
- Welch, Jerry D.; Beam lead tunnel diode amplifiers on microstrip; *T-MTT v18 n12 Dec 70* 1077-1083
- Wellens, Ulrich, see Barabas, Udo; *T-MTT v24 n12 Dec 76* 929-935 (1C03)
- Weller, D. B., see Matthaei, George L.; *T-MTT v13 n5 Sep 65* 581-589
- Weller, D. B., see Young, Leo; *T-MTT v15 n2 Feb 67* 72-86
- Weller, D. B., see Cristal, E. G.; *T-MTT v15 n3 Mar 67* 195
- Weller, J. F., and T. G. Giallorenzi; Surface acoustic wave properties of tantalum pentoxide thin films on YX quartz (Ltr.); *T-MTT v22 n11 Nov 74* 973-975 (1E07)
- Weller, J. F., see Crowley, J. D.; *T-MTT v26 n2 Feb 78* 134-135 (1G04)
- Weller, Kenneth P., Robert S. Ying, and Don H. Lee; Millimeter IMPATT sources for the 130-170-GHz range; *T-MTT v24 n11 Nov 76* 738-743 (1E02)
- Weller, Kenneth P., see Fong, T. T.; *T-MTT v24 n11 Nov 76* 752-758 (1F02)
- Weller, Kenneth P., see Chao, Sheng; *T-MTT v25 n12 Dec 77* 985-991 (1B09)
- Weller, Kenneth P., see Kwok, Chiang Ping; *T-MTT v27 n10 Oct 79* 844-847 (1B08)
- Weller, Kenneth P., see Sinha, Sidhartha K.; *T-MTT v28 n2 Feb 80* 119-125
- Welling, H., and H. G. Andresen; Design problems and performance of millimeter-wave Fabry-Perot reflector plates (Corresp.); *T-MTT v12 n2 Mar 64* 249-250
- Wells, John F., see Aitchison, Colin S.; *T-MTT v19 n12 Dec 71* 928-937 (1D12)
- Wen, Cheng P.; Coplanar waveguide: A surface strip transmission line suitable for nonreciprocal gyromagnetic device applications; *T-MTT v17 n12 Dec 69* 1087-1090
- Wen, Cheng P.; Coplanar-waveguide directional couplers; *T-MTT v18 n6 Jun 70* 318-322
- Wengenroth, Robert D., see Dettinger, David; *T-MTT v1 n1 Mar 53* 39-48
- Wengenroth, Robert D.; A mode transducing antenna; *T-MTT v26 n5 May 78* 332-334 (1A14)
- Wenger, Norman C.; Resonant frequency of open-ended cylindrical cavity; *T-MTT v15 n6 Jun 67* 334-340
- Wentworth, Frederick L., and Donald R. Barthel; A simplified calibration of two-port transmission line devices; *T-MTT v4 n3 Jul 56* 173-175
- Wentworth, Frederick L., see Sobel, Frederick; *T-MTT v9 n6 Nov 61* 512-518
- Wenzel, R. J., see Horton, M. C.; *T-MTT v13 n3 May 65* 316-327
- Wenzel, R. J.; Exact theory of interdigital band-pass filters and related coupled structures; *T-MTT v13 n5 Sep 65* 559-575
- Wenzel, R. J.; Theoretical and practical applications of capacitance matrix transformations to TEM network design; *T-MTT v14 n12 Dec 66* 635-647
- Wenzel, R. J., see Horton, M. C.; *T-MTT v15 n5 May 67* 307-314
- Wenzel, R. J., see Horton, M. C.; *T-MTT v16 n8 Aug 68* 555-557
- Wenzel, R. J.; Wideband, high-selectivity duplexers utilizing digital-elliptic filters (Corresp.); *T-MTT v16 n10 Oct 68* 895
- Wenzel, R. J., see Gupta, O. P.; *T-MTT v18 n7 Jul 70* 402-404
- Wenzel, Robert J.; Exact design of TEM microwave networks using quarter-wave lines; *T-MTT v12 n1 Jan 64* 94-111. *Correction*, Nov 70 1005
- Wenzel, Robert J.; Application of exact synthesis methods to multichannel filter design; *T-MTT v13 n1 Jan 65* 5-15
- Wenzel, Robert J.; Wideband high-selectivity duplexers utilizing digital elliptic filters; *T-MTT v15 n12 Dec 67* 669-680
- Comments, *T-MTT v16 n10 Oct 68* 895
- Wenzel, Robert J.; Printed-circuit complementary filters for narrow bandwidth multiplexers; *T-MTT v16 n3 Mar 68* 147-157
- Wenzel, Robert J.; Some general properties of commensurate-line-length complementary and pseudo-complementary microwave filters (Corresp.); *T-MTT v16 n3 Mar 68* 191-192
- Wenzel, Robert J.; Small elliptic-function low-pass filters and other applications of microwave C sections; *T-MTT v18 n12 Dec 70* 1150-1158
- Wenzel, Robert J.; Synthesis of combline and capacitively loaded interdigital bandpass filters of arbitrary bandwidth; *T-MTT v19 n8 Aug 71* 678-686 (1B08)
- Wessel, Erling G., and Robert J. Strain; Millimeter frequency multiplication with an in-line harmonic generator (Corresp.); *T-MTT v12 n1 Jan 64* 139-141
- West, Russell G., see Edrich, Jochen; *T-MTT v18 n10 Oct 70* 743-745
- Westgate, C. R., see Whalen, J. J.; *T-MTT v17 n7 Jul 69* 403-404
- Wexler, A.; Acceptable mode types for inhomogeneous media (Corresp.); *T-MTT v13 n6 Nov 65* 875-878
- Wexler, Alvin; Solution of waveguide discontinuities by modal analysis; *T-MTT v15 n9 Sep 67* 508-517
- Wexler, Alvin, see Beaubien, Marcel J.; *T-MTT v16 n12 Dec 68* 1007-1017
- Wexler, Alvin; Computation of electromagnetic fields; *T-MTT v17 n8 Aug 69* 416-439
- Wexler, Alvin, see Beaubien, Marcel J.; *T-MTT v18 n12 Dec 70* 1132-1149
- Wexler, Alvin, see Beaubien, M.; *T-MTT v19 n10 Oct 71* 839-840 (1F01)
- Wexler, Alvin, see Hazel, Terence George; *T-MTT v20 n6 Jun 72* 385-390 (1E03)
- Wexler, Alvin, see Richards, David J.; *T-MTT v20 n10 Oct 72* 650-657 (1C06)
- Wexler, Alvin, see McDonald, Bruce H.; *T-MTT v20 n12 Dec 72* 841-847 (1F04)
- Wexler, Alvin, see McDonald, Bruce H.; *T-MTT v22 n3 Mar 74* 237-248. *Correction*, Feb 75 265-266 (1G03)
- Wexler, Alvin, see Jeng, Garbo; *T-MTT v26 n2 Feb 78* 91-94 (1D03)
- Whalen, J. J., and C. R. Westgate; Comment on "Equivalent circuit of the bolometer detector"; *T-MTT v17 n7 Jul 69* 403-404
- Whalen, James J., Mark C. Calcaterra, and Mark L. Thorn; Microwave nanosecond pulse burnout properties of GaAs MESFETs; *T-MTT v27 n12 Dec 79* 1026-1031 (2A05)
- Wharton, R. P., and G. P. Rodrigue; A dominant mode analysis of microstrip (Short p.); *T-MTT v20 n8 Aug 72* 552-555 (2B07)
- Wheeler, Gershon J., see Reed, John; *T-MTT v4 n4 Oct 56* 246-252. *Correction*, Apr 57 162
- Wheeler, Gershon J., see Schulz-DuBois, Erich O.; *T-MTT v6 n4 Oct 58* 423-428
- Wheeler, Gershon J., see Lepoff, Jack H.; *T-MTT v12 n1 Jan 64* 21-26
- Wheeler, H. A., and Henry Schwiebert; Step-twist waveguide components; *T-MTT v3 n5 Oct 55* 44-52
- Wheeler, H. A.; Microwave engineering—Is it specialization or diversification?; *T-MTT v4 n2 Apr 56* 66-67
- Wheeler, Harold A., and Henry L. Bachman; Evacuated waveguide filter for suppressing spurious transmission from high-power S-band radar; *T-MTT v7 n1 Jan 59* 154-162. *Correction*, Jul 59 369
- Wheeler, Harold A., see Lerner, David S.; *T-MTT v8 n3 May 60* 343-345. *Correction*, Nov 60 653
- Wheeler, Harold A., see Meier, Paul J.; *T-MTT v12 n2 Mar 64* 171-175
- Wheeler, Harold A.; Coupling holes between resonant cavities or waveguides evaluated in terms of volume ratios; *T-MTT v12 n2 Mar 64* 231-244
- Wheeler, Harold A.; Transmission-line properties of parallel wide strips by a conformal-mapping approximation; *T-MTT v12 n3 May 64* 280-289
- Wheeler, Harold A.; Transmission-line properties of parallel strips separated by a dielectric sheet; *T-MTT v13 n2 Mar 65* 172-185
- Wheeler, Harold A.; Transmission-line properties of a strip on a dielectric sheet on a plane; *T-MTT v25 n8 Aug 77* 631-647 (1A03)
- Wheeler, Harold A.; Transmission-line properties of a strip line between parallel planes; *T-MTT v26 n11 Nov 78* 866-876 (1B10)
- Wheeler, Harold A.; Transmission-line properties of a round wire in a polygon shield; *T-MTT v27 n8 Aug 79* 717-721 (1A03)
- Wheeler, Harold A.; Transmission-line conductors of various cross sections; *T-MTT v28 n2 Feb 80* 73-83
- Wheeler, Myron S.; Nonmechanical beam steering by scattering from ferrites; *T-MTT v6 n1 Jan 58* 38-42
- Wheeler, R. G., see Goldberg, H. S.; *T-MTT v22 n12 Dec 74* 1120 (2D03)
- Whelehan, James J.; Low-noise millimeter-wave receivers; *T-MTT v25 n4 Apr 77* 268-280 (1C02)
- Wherrett, B. S., C. R. Pidgeon, N. Brignall, and R. A. Wood; Electric-dipole contributions to resonant far-infrared difference-frequency mixing in InSb; *T-MTT v22 n12 Dec 74* 1100-1103 (2B11)
- Whicker, L. R., and G. J. Neumann; A new high-power variable attenuator (Corresp.); *T-MTT v11 n5 Sep 63* 450-451
- Whicker, L. R., and R. R. Jones; A digital current controlled latching ferrite phase shifter (Corresp.); *T-MTT v14 n1 Jan 66* 45-46
- Whicker, L. R., P. F. Carcia, and G. E. Evans; Broadband fixed-tuned acoustic delay lines (Corresp.); *T-MTT v15 n12 Dec 67* 755-757
- Whicker, Lawrence R., George J. Neumann, and Frank E. Munyak; Criteria for designing high-power coupled wave duplexers and isolators; *T-MTT v10 n1 Jan 62* 20-25
- Whicker, Lawrence R., and Raymond R. Jones; A digital latching ferrite strip transmission line phase shifter; *T-MTT v13 n6 Nov 65* 781-784
- Whicker, Lawrence R., see Boyd, Charles R., Jr.; *T-MTT v18 n12 Dec 70* 1084-1089
- Whicker, Lawrence R.; 1971 International Microwave Symposium; *T-MTT v19 n12 Dec 71* 896-898 (1B04)
- Whicker, Lawrence R., and C. R. Boyd Jr.; A new reciprocal phaser for use at millimeter wavelengths (Corresp.); *T-MTT v19 n12 Dec 71* 944-945 (1F04)
- Whicker, Lawrence R., Guest ed.; Foreword—Special issue on microwave control devices for array antenna systems; *T-MTT v22 n6 Jun 74* 589-590 (1A03)
- Whicker, Lawrence R., and Donald M. Bolle; Annotated literature survey of microwave ferrite control components and materials for 1968-1974; *T-MTT v23 n11 Nov 75* 908-918 (1E02)
- Whicker, Lawrence R.; The 1980 MTT-S International Microwave Symposium; *T-MTT v28 n12 Dec 80* 1402-1410
- Whinnery, John R.; The next problem in engineering education; *T-MTT v5 n1 Jan 57* 2-3
- Whinnery, John R., see Kerdiles, Jacques; *T-MTT v15 n5 May 67* 321-322
- Whinnery, John R., see Cherny, Vladimir V.; *T-MTT v28 n4 Apr 80* 401-404
- Whirry, Walter L., and Conrad E. Nelson; Ferrite-loaded, circularly polarized microwave cavity filters; *T-MTT v6 n1 Jan 58* 59-65
- Whitborn, L. B., see Belland, P.; *T-MTT v22 n12 Dec 74* 1118 (2D01)
- White, D. R., Jr., see Bradley, E. H.; *T-MTT v3 n2 Mar 55* 163-169
- White, David J., see Alday, J. R.; *T-MTT v14 n2 Feb 66* 100
- White, David J., see Dinger, Robert J.; *T-MTT v22 n10 Oct 74* 879-880 (1C05)
- White, E. J., see Bryant, J. H.; *T-MTT v1 n2 Nov 53* 33-38
- White, James M., see Kino, Gordon S.; *T-MTT v21 n4 Apr 73* 244-255 (2D05)
- White, Joseph F.; High power, $p-i-n$ diode controlled, microwave transmission phase shifters; *T-MTT v13 n2 Mar 65* 233-242
- White, Joseph F., and Kenneth E. Mortenson; Diode SPDT switching at high power with octave microwave bandwidth; *T-MTT v16 n1 Jan 68* 30-36
- White, Joseph F.; Simplified theory for post coupling Gunn diodes to waveguide; *T-MTT v20 n6 Jun 72* 372-378 (1D02)
- White, Joseph F.; Diode phase shifters for array antennas; *T-MTT v22 n6 Jun 74* 658-674 (1F02)
- White, Richard M., see Birdsall, Charles K.; *T-MTT v12 n2 Mar 64* 197-202
- Whitehouse, Harper J., see Squire, William D.; *T-MTT v17 n11 Nov 69* 1020-1040
- Whiteley, Ian, see Levy, Ralph; *T-MTT v14 n11 Nov 66* 506-517
- Whiteley, Ian, see Judd, Stewart V.; *T-MTT v18 n2 Feb 70* 78-87
- Whiting, K.; The effect of increased design bandwidth upon direct-coupled-resonator filters (Corresp.); *T-MTT v11 n6 Nov 63* 557-560
- Whiting, K.; Design data for UHF circulators (Corresp.); *T-MTT v15 n3 Mar 67* 195-198
- Whiting, K. B.; A treatment for boundary singularities in finite difference solution of Laplace's equation (Corresp.); *T-MTT v16 n10 Oct 68* 889-891
- Wickstrom, Robert A., see Oakes, James G.; *T-MTT v24 n6 Jun 76* 305-311 (1C03)
- Wiebe, E., see Clauss, R. C.; *T-MTT v12 n6 Nov 64* 619-620
- Wiederhold, Pieter R.; Superconducting pulse power supply (Corresp.); *T-MTT v12 n3 May 64* 386
- Wight, J. S., W. J. Chudobiak, and V. Makios; An all-harmonic coupling-band hybrid (Ltr.); *T-MTT v24 n2 Feb 76* 122-124 (1D14)
- Wight, J. S., W. J. Chudobiak, and V. Makios; A microstrip and stripline crossover structure (Ltr.); *T-MTT v24 n5 May 76* 270 (1C08)
- Wight, James S., Om P. Jain, Walter J. Chudobiak, and Vassilios Makios; Equivalent circuits of microstrip impedance discontinuities and launchers (Short p.); *T-MTT v22 n1 Jan 74* 48-52 (1D08)

- Wijnbergen, J. J., and H. Olthof; A calibrated experimental 20- μ m photometer (SUBMIL 74 Abstr.); *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Wild, Norman R.; Photoetched microwave transmission lines; *T-MTT* v3 n2 Mar 55 21-30
- Wiley, P. H., see Bostian, Charles W.; *T-MTT* v23 n12 Dec 75 1049-1052 (2A14)
- Wilhelm, James F., see Upadhyayula, Chainulu L.; *T-MTT* v24 n12 Dec 76 920-926 (1B08)
- Wilkinson, E. J., and F. LaRussa; Contraphaseshifter (Corresp.); *T-MTT* v10 n5 Sep 62 390-391
- Wilkinson, Ernest J.; An *N*-way hybrid power divider; *T-MTT* v8 n1 Jan 60 116-118
- Willem, A. A., see Hoffman, G. R.; *T-MTT* v15 n2 Feb 67 131-133
- Williams, Albert E.; A four-cavity elliptic waveguide filter; *T-MTT* v18 n12 Dec 70 1109-1114
- Williams, Albert E., see Atia, Ali E.; *T-MTT* v20 n4 Apr 72 258-265 (1C04)
- Williams, Albert E., see Atia, Ali E.; *T-MTT* v22 n4 Apr 74 425-431 (2B01)
- Williams, Albert E., see Atia, Ali E.; *T-MTT* v23 n6 Jun 75 519-522 (1E05)
- Williams, Albert E., see Atia, Ali E.; *T-MTT* v24 n10 Oct 76 640-648 (1A12)
- Williams, Albert E., see Atia, Ali E.; *T-MTT* v24 n10 Oct 76 668-669 (1C12)
- Williams, Albert E., and Ali E. Atia; Dual-mode canonical waveguide filters; *T-MTT* v25 n12 Dec 77 1021-1026 (1E03)
- Williams, C. G., and Gregory K. Cambrell; Numerical solution of surface waveguide modes using transverse field components (Short p.); *T-MTT* v22 n3 Mar 74 329-330 (3A13)
- Williams, Colin B., A. R. Willmunder, J. Dobson, Harold A. Hogg, Martin J. Lee, and Gregory A. Loew; The automatic phasing system for the Stanford two-mile linear electron accelerator; *T-MTT* v13 n6 Nov 65 806-814
- Williams, E. W., see Davis, M. E.; *T-MTT* v21 n9 Sep 73 594-596 (1C12)
- Williams, John Charles, see Aitchison, Colin S.; *T-MTT* v19 n12 Dec 71 928-937 (1D12)
- Williams, Richard A., and William S. C. Chang; Radiometry in the submillimeter region using the interferometric modulator; *T-MTT* v11 n6 Nov 63 513-522
- Williams, Robert G., see Bell, W. Earl; *T-MTT* v7 n1 Jan 59 95-98
- Williams, Robert L.; A three-cavity circularly polarized waveguide directional filter yielding a maximally flat response; *T-MTT* v10 n5 Sep 62 321-328
- Williamson, A. G.; The resonant frequency and tuning characteristics of narrow-gap reentrant cylindrical cavity; *T-MTT* v24 n4 Apr 76 182-187 (1B06)
- Comments by Vaughan, J. R. M., Jul 77 625
- Williamson, Richard C., and Henry I. Smith; The use of surface-elastic-wave reflection gratings in large time-bandwidth pulse-compression filters; *T-MTT* v21 n4 Apr 73 195-205 (1E01)
- Willing, Harry A.; A two-stage IMPATT-diode amplifier; *T-MTT* v21 n11 Nov 73 707-716 (2B01)
- Willing, Harry A., see Neidert, Robert E.; *T-MTT* v24 n6 Jun 76 342-350 (1E12)
- Willing, Harry A., C. Rauscher, and Pietro de Santis; A technique for predicting large-signal performance of a GaAs MESFET; *T-MTT* v26 n12 Dec 78 1017-1023 (2A01)
- Willing, Harry A., see Rauscher, Christen; *T-MTT* v27 n10 Oct 79 834-840 (1A12)
- Willing, Harry A., see Rauscher, Christen; *T-MTT* v28 n10 Oct 80 1054-1059
- Willis, J., and I. Petroff; Resonances in a cylindrical plasma column (Corresp.); *T-MTT* v10 n5 Sep 62 395-396
- Willis, J., and D. W. Czubiak; Microwave transmission through a plasma sheath (Corresp.); *T-MTT* v12 n5 Sep 64 553-555
- Willis, Jack; A plasma controlled directional coupler; *T-MTT* v10 n5 Sep 62 383-389
- Williston, R. L., see Riblet, H. J.; *T-MTT* v1 n1 Mar 53 23-24
- Willoughby, R. E., and J. Brown Jr.; A method for rapidly orienting single-crystal garnet spheres (Corresp.); *T-MTT* v12 n3 May 64 385-386
- Willwerth, Francis G., see Kelley, Douglas; *T-MTT* v16 n8 Aug 68 560-562
- Willwerth, Frank G., see Tsandoulas, G. N.; *T-MTT* v18 n2 Feb 70 88-95 (1C02)
- Willwerth, Frank G., see Ince, William J.; *T-MTT* v19 n1 Jan 71 105-107 (2F01)
- Willwerth, Frank G., see Ince, William J.; *T-MTT* v19 n6 Jun 71 563-564 (2C05)
- Willwerth, Frank G., see Tsandoulas, G. N.; *T-MTT* v20 n4 Apr 72 253-258 (1B11)
- Willwerth, Frank G., see Ince, William J.; *T-MTT* v20 n10 Oct 72 705-707 (2C05)
- Willwerth, Frank G., see Chen, Ming Hui; *T-MTT* v22 n8 Aug 74 801-804 (1D05)
- Willmunder, A. R., see Williams, Colin B.; *T-MTT* v13 n6 Nov 65 806-814
- Wilsner, Walter T., see Niclas, Karl B.; *T-MTT* v28 n3 Mar 80 172-179
- Wilsner, Walter T., see Niclas, Karl B.; *T-MTT* v28 n4 Apr 80 285-294
- Wilson, D. J., see Baynham, A. C.; *T-MTT* v22 n12 Dec 74 1120 (2D03)
- Wilson, L. K., and G. J. Neumann; A duplexer using the zero permeability characteristics of ferrite (Corresp.); *T-MTT* v9 n6 Nov 61 578
- Wilson, L. K., George T. O'Reilly, and Donald L. Kinser; Microwave dielectric properties of an amorphous semiconductor system (Ltr.); *T-MTT* v22 n4 Apr 74 470-471 (2E04)
- Wilson, L. K., see O'Reilly, George T.; *T-MTT* v22 n12 Dec 74 1323-1325 (5D01)
- Wilson, Michael G. F., and G. A. Teh; Tapered optical directional coupler; *T-MTT* v23 n1 Jan 75 85-92 (1G03)
- Wilson, W. L., Jr.; Precise frequency and phase control of LSA oscillators (Short p.); *T-MTT* v21 n3 Mar 73 146-149 (1D04)
- Wilson, W. L., Jr., see Crowley, J. D.; *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Wilson, William J.; The aerospace low-noise millimeter-wave spectral line receiver (Short p.); *T-MTT* v25 n4 Apr 77 332-335 (2A09)
- Wilson, William J., Robert L. Dickman, and Gerald G. Berry; Cryogenic parametric amplifier noise performance at 4.2K; *T-MTT* v28 n3 Mar 80 186-190
- Wiltse, James C.; Some characteristics of dielectric image lines at millimeter wavelengths; *T-MTT* v7 n1 Jan 59 65-69
- Wiltse, James C., see Johnson, C. M.; *T-MTT* v8 n4 Jul 60 466-467
- Wiltse, James C., see Sobel, Frederick; *T-MTT* v9 n6 Nov 61 512-518
- Wiltse, James C., Guest ed.; Editor's overview; *T-MTT* v27 n12 Dec 79 927
- Wing, Omar; Cascade directional filter; *T-MTT* v7 n2 Apr 59 197-201
- Wing, Omar, see Protonotarios, Emmanuel N.; *T-MTT* v15 n3 Mar 67 142-150
- Winkler, Clive, see Love, John D.; *T-MTT* v28 n7 Jul 80 689-695
- Winn, Robert K., and Jay H. Harris; Coupling from multimode to single-mode linear waveguides using horn-shaped structures; *T-MTT* v23 n1 Jan 75 92-97 (2A01)
- Winslow, Donald K., see Karp, Arthur; *T-MTT* v16 n10 Oct 68 818-828
- Winslow, Donald K., see Reeder, Thomas M.; *T-MTT* v17 n11 Nov 69 927-941
- Winslow, Donald K., see Larson, John D.; *T-MTT* v18 n9 Sep 70 602-608
- Winslow, Donald K., see Kino, Gordon S.; *T-MTT* v21 n4 Apr 73 244-255 (2D05)
- Winslow, Lester M., see Shaw, Herbert J.; *T-MTT* v6 n3 Jul 58 326-330
- Wintroub, Herbert J., see Hoffman, LaRue A.; *T-MTT* v17 n12 Dec 69 1145-1149
- Wiseman, William R., see Tserng, Hua Quen; *T-MTT* v24 n12 Dec 76 936-943 (1C10)
- Wiseman, William R., see Tserng, Hua Quen; *T-MTT* v26 n10 Oct 78 774-778 (1F02)
- Wiseman, William R., see DiLorenzo, James V.; *T-MTT* v27 n5 May 79 367-378 (1A05)
- Witt, Howard R., Rita E. Biss, and Edward L. Price; Propagation constants of a waveguide containing parallel sheets of finite conductivity; *T-MTT* v15 n4 Apr 67 232-239
- Witt, Howard R., and Edward L. Price; Design curves for waveguide absorbers (Corresp.); *T-MTT* v15 n10 Oct 67 590
- Witters, Donald M., Jr., see Kantor, Gideon; *T-MTT* v26 n8 Aug 78 563-568 (1D07)
- Witters, Donald M., Jr., see Kantor, Gideon; *T-MTT* v28 n12 Dec 80 1418-1422
- Wolf, Werner P., see Rodrigue, G. P.; *T-MTT* v6 n1 Jan 58 83-91
- Wolfe, John J., see Bawer, Robert; *T-MTT* v8 n3 May 60 319-325
- Wolfe, John J., see Bawer, R.; *T-MTT* v9 n2 Mar 61 204-205
- Wolfert, Paul H.; A wide-band rectangular-to-circular mode transducer for millimeter waves (Corresp.); *T-MTT* v11 n5 Sep 63 430-431
- Wolff, Ingo; The lowest order mode and the quasi-TEM mode in a ferrite-filled coaxial line or resonator (Short p.); *T-MTT* v20 n8 Aug 72 558-560 (2C01)
- Wolff, Ingo, and Norbert Knoppik; Rectangular and circular microstrip disk capacitors and resonators; *T-MTT* v22 n10 Oct 74 857-864 (1A11)
- Wolff, Ingo, and Wolfgang Menzel; The microstrip double-ring resonator (Short p.); *T-MTT* v23 n5 May 75 441-444 (1D01)
- Wolff, Ingo, see Menzel, Wolfgang; *T-MTT* v25 n2 Feb 77 107-112 (1B13)
- Wolff, Ingo, see Solbach, Klaus; *T-MTT* v26 n4 Apr 78 266-274 (1D02)
- Wolff, Ingo, see Khilla, Abdel-Messias; *T-MTT* v26 n4 Apr 78 279-287 (1E01)
- Wolff, Ingo, see Khilla, Abdel-Messias; *T-MTT* v27 n6 Jun 79 592-598 (1C10)
- Wollschlaeger, Paul B., see Lin, James C.; *T-MTT* v27 n6 Jun 79 618-620 (1E08)
- Womack, Charles P.; The use of exponential transmission lines in microwave components; *T-MTT* v10 n2 Mar 62 124-132
- Wong, A., see Aitchison, Colin S.; *T-MTT* v28 n8 Aug 80 825-832
- Wong, A., see Aitchison, Colin S.; *T-MTT* v28 n8 Aug 80 833-839
- Wong, David Y., see Matthaei, George L.; *T-MTT* v24 n1 Jan 76 1-10 (1A03)
- Wong, J. Y.; A mechanical waveguide hybrid phase shifter (Corresp.); *T-MTT* v9 n4 Jul 61 364-365
- Wong, Jimmy L., see King, Howard E.; *T-MTT* v19 n1 Jan 71 116-119 (3B05)
- Wong, Joseph S.; Microstrip tapped-line filter design; *T-MTT* v27 n1 Jan 79 44-50 (1D04)
- Wong, S. K., see Cermak, I. A.; *T-MTT* v18 n2 Feb 70 116
- Woo, Kenneth; An adjustable microwave delay equalizer; *T-MTT* v13 n2 Mar 65 224-232
- Wood, R. A., see Wherrett, B. S.; *T-MTT* v22 n12 Dec 74 1100-1103 (2B11)
- Woodward, O. M.; A dual-channel rotary joint for high average power operation; *T-MTT* v18 n12 Dec 70 1072-1077
- Woody, David P., see Mather, John C.; *T-MTT* v22 n12 Dec 74 1046-1048 (1E12)
- Wooldridge, J., see Burnswieg, Joseph; *T-MTT* v21 n4 Apr 73 272-279 (3B01)
- Worley, J. C.; Bandpass filters using nonlinear FEM surface-wave transducers (Short p.); *T-MTT* v21 n4 Apr 73 302-303 (3D07)
- Wright, G. T., see Sultan, Nizar B.; *T-MTT* v20 n11 Nov 72 773-775 (2B04)
- Wright, M. Lattimer, see Taub, Jesse J.; *T-MTT* v11 n5 Sep 63 338-345
- Wright, M. Lattimer, see Mantena, Niladiri R.; *T-MTT* v17 n7 Jul 69 363-373
- Wright, William H., Jr.; A proposed design to enhance microwave-power-limiter characteristics (Corresp.); *T-MTT* v9 n6 Nov 61 575-576
- Wright, William H., Jr., and Joseph W. McGowan; High-power *Y*-junction *E*-plane circulator (Corresp.); *T-MTT* v16 n8 Aug 68 557-559
- Wrigley, C. Y., see Hagon, P. J.; *T-MTT* v21 n4 Apr 73 303-306 (3D11)
- Wrixon, Gerald T.; Low-noise diodes and mixers for the 1-2-mm wavelength region; *T-MTT* v22 n12 Dec 74 1159-1165 (3C13)
- Wrixon, Gerald T.; Schottky-diode realization for low-noise mixing at millimeter wavelengths; *T-MTT* v24 n11 Nov 76 702-706 (1B08)
- Wrixon, Gerald T., and Robert W. McMillan; Measurements of earth-space attenuation at 230 GHz; *T-MTT* v26 n6 Jun 78 434-439 (1D14)
- Wrixon, Gerald T., see Kelly, William M.; *T-MTT* v27 n7 Jul 79 665-672 (1C11)
- Wrobel, E. J.; Orientation of YIG spheres for minimum temperature dependence (Corresp.); *T-MTT* v12 n5 Sep 64 571
- Wrobel, E. J.; Orthogonal coupling to YIG delay lines (Corresp.); *T-MTT* v13 n5 Sep 65 707-708
- Wu, Chuan-Lin, see Lin, James C.; *T-MTT* v24 n4 Apr 76 219-223 (1E01)
- Wu, Pei Rin; Dispersion characteristics of an open interdigital-line structure; *T-MTT* v17 n3 Mar 69 159-163
- Wu, Sien-Chong, and Y. Leonard Chow; An application of the moment method to waveguide scattering problems; *T-MTT* v20 n11 Nov 72 744-749 (1D08)
- Wu, Sien-Chong, see Chow, Y. Leonard; *T-MTT* v21 n5 May 73 333-340 (1C11)
- Wu, Te-Kao, and Leonard L. Tsai; Electromagnetic fields induced inside arbitrary cylinders of biological tissue (Short p.); *T-MTT* v25 n1 Jan 77 61-65. Correction, Aug 77 712 (1E07)
- Wu, Te-Kao; Electromagnetic fields and power deposition in body-of-revolution models of man; *T-MTT* v27 n3 Mar 79 279-283 (1E09)
- Wu, Y. S., and Fred J. Rosenbaum; Mode chart for microstrip ring resonators (Short p.); *T-MTT* v21 n7 Jul 73 487-489 (2B06)
- Wu, Y. S., and Fred J. Rosenbaum; Wide-band operation of microstrip circulators; *T-MTT* v22 n10 Oct 74 849-856 (1A03)
- Wu, Y. S., Fred J. Rosenbaum, and D. H. Harris; *X*-band microstrip-inserted puck circulator using arc-plasma-sprayed ferrite; *T-MTT* v23 n6 Jun 75 504-506 (1D04)
- Wu, You-Sun, Walter H. Ku, and John E. Erickson; A study of nonlinearities and intermodulation characteristics of 3-port distributed circulators; *T-MTT* v24 n2 Feb 76 69-77 (1A03)
- Wynn, D. C., and C. T. Carson; Computation of the impedance of an infinitely long helical transmission line by numerical methods (Short p.); *T-MTT* v22 n5 May 74 556-559 (2B01)

- Yamada, R., and K. Watanabe; Propagation in cylindrical waveguide containing inhomogeneous dielectric (Corresp.); *T-MTT v13 n5 Sep 65* 716-717
- Yamada, Ryojo, and Yasunobu Inabe; Guided waves along graded index dielectric rod (Ltr.); *T-MTT v22 n8 Aug 74* 813-814 (1E03)
- Yamada, Syoji, Nion S. Chang, and Yukito Matsuo; Energy analysis for the amplification phenomena of magnetostatic surface waves in a YIG-semiconductor coupled system; *T-MTT v25 n7 Jul 77* 600-605 (1C08)
- Yamaguchi, G. M., see Yuan, L. T.; *T-MTT v24 n12 Dec 76* 981-987 (2A10)
- Yamaguchi, S., see Miyoshi, Tanroku; *T-MTT v25 n7 Jul 77* 593-600 (1C01)
- Yamamoto, Heiichi, see Kumagai, Nobuaki; *T-MTT v13 n4 Jul 65* 445-451
- Yamamoto, Heiichi, Kenji Kohiyama, and Kozo Morita; 400-Mb/s QPSK repeater for 20-GHz digital radio-relay system; *T-MTT v23 n4 Apr 75* 334-341 (1A12)
- Yamamoto, Hiroshi, and Sumio Ohkawa; Measurement of the dielectric constant and loss tangent of liquids by the transmitted-reflected wave method in the millimeter-wave range (Corresp.); *T-MTT v19 n10 Oct 71* 827-829 (1E01)
- Yamamoto, Kazuyuki; Analysis and design of a millimeter-wave bandpass filter with a stopband in the specified higher frequencies; *T-MTT v24 n11 Nov 76* 837-842 (2E14)
- Yamamoto, Kazuyuki, see Kawasaki, Ryoji; *T-MTT v27 n5 May 79* 530-533 (2F01)
- Yamamoto, Kazuyuki; A novel low-loss dielectric waveguide for millimeter and submillimeter wavelengths; *T-MTT v28 n6 Jun 80* 580-585
- Yamamoto, Sadahiko, Takashi Azakami, and K. Itakura; Coupled strip transmission line with three center conductors; *T-MTT v14 n10 Oct 66* 446-461
- Yamamoto, Sadahiko, Takashi Azakami, and Kiyoyasu Itakura; Slit-coupled strip transmission lines; *T-MTT v14 n11 Nov 66* 542-553
- Yamamoto, Sadahiko, Takashi Azakami, and Kiyoyasu Itakura; Coupled nonuniform transmission line and its applications; *T-MTT v15 n4 Apr 67* 220-231
- Yamanaka, M., and H. Yoshinaga; Compact waveguide lasers in the submillimeter and millimeter wave regions (SUBMIL 74 Abstr.); *T-MTT v22 n12 Dec 74* 1117 (2C14)
- Yamanouchi, Chikako, see Yoshihiro, Kazuo; *T-MTT v22 n12 Dec 74* 1072-1076 (1G10)
- Yamanouchi, Kazuhiko, Toshiaki Kamiya, and Kimio Shibayama; New leaky surface waves in anisotropic metal-diffused optical waveguides; *T-MTT v26 n4 Apr 78* 298-305 (1F06)
- Yamasaki, T., and Y. Nakanishi; Design consideration for circular bend of reflecting beam waveguide (Corresp.); *T-MTT v16 n6 Jun 68* 373-374
- Yamashita, E., see Degenford, J. E.; *T-MTT v13 n3 May 65* 380-382
- Yamashita, Eikichi, and Jack R. Baird; Tunnel diode oscillator in an open structure; *T-MTT v15 n7 Jul 67* 415-421
- Yamashita, Eikichi, and Raj Mittra; Variational method for the analysis of microstrip lines; *T-MTT v16 n4 Apr 68* 251-256
- Yamashita, Eikichi; Variational method for the analysis of microstrip-like transmission lines; *T-MTT v16 n8 Aug 68* 529-535
- Yamashita, Eikichi, and Shigeo Yamazaki; Parallel-strip line embedded in or printed on a dielectric sheet (Corresp.); *T-MTT v16 n11 Nov 68* 972-973
- Yamashita, Eikichi, and Kazuhiko Atsuki; A proposed microwave structure and design method for the traveling-wave modulation of light (Corresp.); *T-MTT v17 n2 Feb 69* 118-119
- Yamashita, Eikichi, and K. Atsuki; Design of transmission-line dimensions for a given characteristic impedance (Corresp.); *T-MTT v17 n8 Aug 69* 638-639
- Yamashita, Eikichi, and Kazuhiko Atsuki; Strip line with rectangular outer conductor and three dielectric layers; *T-MTT v18 n5 May 70* 238-244
- Yamashita, Eikichi, and Kazuhiko Atsuki; Analysis of thick-strip transmission lines (Corresp.); *T-MTT v19 n1 Jan 71* 120-122 (3B09)
- Yamashita, Eikichi, Kazuhiko Atsuki, and Toshihiko Akamatsu; Application of microstrip analysis to the design of a broad-band electrooptical modulator (Short p.); *T-MTT v22 n4 Apr 74* 462-464 (2D10)
- Yamashita, Eikichi, and Kazuhiko Atsuki; Distributed capacitance of a thin-film electrooptic light modulator (Ltr.); *T-MTT v23 n1 Jan 75* 177-178 (2G02)
- Yamashita, Eikichi, and Kazuhiko Atsuki; Analysis of microstrip-like transmission lines by nonuniform discretization of integral equations; *T-MTT v24 n4 Apr 76* 195-200. *Correction*, Sep 76 628 (1C05)
- Yamashita, Eikichi, Kazuhiko Atsuki, and Tetsuro Mori; Application of MIC formulas to a class of integrated-optics modulator analyses: A simple transformation (Short p.); *T-MTT v25 n2 Feb 77* 146-150 (1E10)
- Yamashita, Eikichi, Kazuhiko Atsuki, Osamu Hashimoto, and Kouji Kamijo; Modal analysis of homogeneous optical fibers with deformed boundaries; *T-MTT v27 n4 Apr 79* 352-356 (1E06)
- Yamashita, Eikichi, Kazuhiko Atsuki, and Tomio Ueda; An approximate dispersion formula of microstrip lines for computer-aided design of microwave integrated circuits; *T-MTT v27 n12 Dec 79* 1036-1038 (2B01)
- Yamashita, Eikichi, Kazuhiko Atsuki, and Ryoji Kuzuya; Composite dielectric waveguides; *T-MTT v28 n9 Sep 80* 986-990
- Yamashita, Sadahiko, see Makimoto, Mitsuo; *T-MTT v28 n12 Dec 80* 1413-1417
- Yamaura, Itsuo, and Takehiko Hidaka; The double-sweep-frequency locating reflectometer (Short p.); *T-MTT v23 n3 Mar 75* 316-317 (1D08)
- Yamaura, Itsuo; Measurements of 1.8-2.7-GHz microwave attenuation in the human torso; *T-MTT v25 n8 Aug 77* 707-710 (1F09)
- Yamazaki, Shigeo, see Yamashita, Eikichi; *T-MTT v16 n11 Nov 68* 972-973
- Yanai, Hisayoshi, see Hasegawa, Hideki; *T-MTT v19 n11 Nov 71* 869-881 (1D05)
- Yang, Richard F. H.; Comments on 'Reflection coefficient of E-plane tapered waveguides'; *T-MTT v7 n1 Jan 59* 175-176
- Yang, Richard F. H., see Shiau, Yih; *T-MTT v22 n2 Feb 74* 130-132
- Yang, Richard F. H., see Borkar, Suresh R.; *T-MTT v23 n7 Jul 75* 588-591 (1D08)
- Yariv, Amnon, see Evtuhov, Viktor; *T-MTT v23 n1 Jan 75* 44-57 (1D04)
- Yarrington, Larry L., and Phillip W. Hawkins; Analysis of phase characteristics as a function of ambient temperature of IMPATT diode amplifiers; *T-MTT v21 n11 Nov 73* 728-730 (2C10)
- Yarrow, Sheppard, see Christian, Christopher L.; *T-MTT v22 n12 Dec 74* 1267-1272 (4E10)
- Yates, B. C., see Beatty, R. W.; *T-MTT v17 n5 May 69* 282-284
- Yates, B. C., see Otoshi, T. Y.; *T-MTT v18 n7 Jul 70* 406-409
- Yazawa, Norihiko, see Konishi, Yoshihiro; *T-MTT v22 n4 Apr 74* 451-454 (2C13)
- Yee, Hung Yuet; Natural resonant frequencies of microwave dielectric resonators (Corresp.); *T-MTT v13 n2 Mar 65* 256
- Yee, Hung Yuet, and N. F. Audeh; Uniform waveguides with arbitrary cross-section considered by the point-matching method; *T-MTT v13 n6 Nov 65* 847-851
- Yee, Hung Yuet, see Audeh, N. F.; *T-MTT v13 n6 Nov 65* 878-879
- Yee, Hung Yuet, and N. F. Audeh; Attenuation constants of waveguides with general cross sections (Corresp.); *T-MTT v14 n5 May 66* 252-253
- Yee, Hung Yuet, and N. F. Audeh; Cutoff frequencies of eccentric waveguides; *T-MTT v14 n10 Oct 66* 487-493
- Yee, Hung Yuet, and Leopold B. Felsen; Ray optics—A novel approach to scattering by discontinuities in a waveguide; *T-MTT v17 n2 Feb 69* 73-85
- Yee, Hung Yuet, and Leopold B. Felsen; Ray-optical analysis of electromagnetic scattering in waveguides; *T-MTT v17 n9 Sep 69* 671-683
- Yee, Hung Yuet, Feng-Cheng Chang, and N. F. Audeh; N-way TEM-mode broad-band power dividers; *T-MTT v18 n10 Oct 70* 682-688
- Yee, Hung Yuet; Dispersion relations for guided waves in a simple moving medium (Corresp.); *T-MTT v19 n4 Apr 71* 400-401 (2B08)
- Yeh, C., see Elachi, C.; *T-MTT v23 n6 Jun 75* 532-536 (1F04)
- Yeh, Cavour W. H., Kendall F. Casey Jr., and Zohrab A. Kaprielian; Transverse magnetic wave propagation in sinusoidally stratified dielectric media; *T-MTT v13 n3 May 65* 297-302
- Yeh, David T., and Donald M. Bolle; Characteristic impedance and field patterns of the shielded microstrip on a ferrite substrate (Short p.); *T-MTT v23 n7 Jul 75* 585-588 (1D05)
- Yen, Kuo Hsiung, see Li, Robert C. M.; *T-MTT v20 n7 Jul 72* 477-486 (2B06)
- Ying, Robert S., see Weller, Kenneth P.; *T-MTT v24 n11 Nov 76* 738-743 (1E02)
- Ying, Robert S., see Chao, Chente; *T-MTT v25 n12 Dec 77* 985-991 (1B09)
- Yip, G. L., see Le-Ngoc, S.; *T-MTT v25 n3 Jun 77* 197-209 (1C03)
- Yip, Gar Lam; Launching efficiency of the HE_{11} surface wave mode on a dielectric rod; *T-MTT v18 n12 Dec 70* 1033-1041
- Yip, Gar Lam, and Tatyana Auyeung; Launching efficiency of the HE_{11} surface-wave mode on a dielectric tube; *T-MTT v22 n1 Jan 74* 6-14 (1A08)
- Yip, Gar Lam, and S. Nemoto; The relations between scalar modes in a lenslike medium and vector modes in a self-focusing optical fiber (Short p.); *T-MTT v23 n2 Feb 75* 260-263 (1F08)
- Yip, Gar Lam, and Son Le-Ngoc; Field and power density distributions of the dipolar modes in a partially filled cylindrical plasma waveguide (Short p.); *T-MTT v25 n1 Jan 77* 65-70 (1E11)
- Yip, Gar Lam, see Safaai-Jazi, Ahmad; *T-MTT v26 n11 Nov 78* 898-903 (1D14)
- Yip, Gar Lam, see Safaai-Jazi, Ahmad; *T-MTT v28 n1 Jan 80* 24-32
- Yngvesson, K. Sigfrid, Albert C. Cheung, Michael F. Chui, Apostle G. Cardiasmenos, Shih-Yuan Wang, and Charles H. Townes; K-band traveling-wave maser using ruby; *T-MTT v24 n11 Nov 76* 711-717 (1C03)
- Yngvesson, K. Sigfrid, see Cardiasmenos, Apostle G.; *T-MTT v24 n11 Nov 76* 725-730 (1D03)
- Yodokawa, Taro, see Schott, Frederick W.; *T-MTT v25 n5 May 77* 416-418 (1F06)
- Yokochi, Yukio, see Okada, Fumiaki; *T-MTT v26 n12 Dec 78* 1035-1039 (2B05)
- Yokoyama, Naoki, Takashi Mimura, Hirotsugu Kusaka, Katsuhiko Suyama, and Masumi Fukuta; GaAs MOSFET high-speed logic; *T-MTT v28 n5 May 80* 483-486
- Yoshida, K., see Fujioka, H.; *T-MTT v15 n4 Apr 67* 265-267
- Yoshida, Norinobu, see Sasaki, Masaki; *T-MTT v24 n2 Feb 76* 119-121 (1D11)
- Yoshida, Toshio, Masayoshi Umeno, and Shichiro Miki; Propagation characteristics of a rectangular waveguide containing a cylindrical rod of magnetized ferrite; *T-MTT v20 n11 Nov 72* 739-743 (1D03)
- Yoshihiro, Kazuo, Madoka Tokumoto, and Chikako Yamanouchi; Far-infrared properties of interacting donors in antimony-doped germanium; *T-MTT v22 n12 Dec 74* 1072-1076 (1G10)
- Yoshikawa, Shokichi, see Temmyo, Jiro; *T-MTT v28 n8 Aug 80* 846-851
- Yoshikiyo, Haruo, see Hirano, Junzo; *T-MTT v18 n7 Jul 70* 373-376
- Yoshimura, Yoshikazu; A microstripline slot antenna (Short p.); *T-MTT v20 n11 Nov 72* 760-762 (1E12)
- Yoshinaga, H., see Yamanaka, M.; *T-MTT v22 n12 Dec 74* 1117 (2C14)
- Youla, D. C., see Kaplan, L. J.; *T-MTT v10 n5 Sep 62* 402-403
- Youla, Dante C., and Philip M. Paterno; Realizable limits of error for dissipationless attenuators in mismatched systems; *T-MTT v12 n3 May 64* 289-299
- Young, C. W., Jr.; Comments on 'Ridged waveguides with inhomogeneous dielectric-slab loading'; *T-MTT v26 n11 Nov 78* 919 (1F06)
- Young, D. T., see Rowe, Harrison E.; *T-MTT v20 n6 Jun 72* 349-365 (1B03)
- Young, D. T., and Harrison E. Rowe; Optimum coupling for random guides with frequency-dependent coupling; *T-MTT v20 n6 Jun 72* 365-372 (1C07)
- Young, D. T., see Rowe, Harrison E.; *T-MTT v23 n5 May 75* 411-416 (1A13)
- Young, Frederick J., see Stapelfeldt, Roeliff; *T-MTT v9 n4 Jul 61* 290-296
- Young, Frederick J., see English, William J.; *T-MTT v19 n1 Jan 71* 40-46 (1E06)
- Young, George P., see Scanlan, Sean O.; *T-MTT v28 n11 Nov 80* 1163-1169
- Young, J. C. T., and I. M. Stephenson; Measurement of the large-signal characteristics of microwave solid-state devices using an injection-locking technique (Short p.); *T-MTT v22 n12 Dec 74* 1320-1323 (5C12)
- Young, John D., see Yu, Se Puan; *T-MTT v18 n11 Nov 70* 999-1001
- Young, John D.; Microwave filter design using an electronic digital computer; *T-MTT v7 n1 Jan 59* 99-101
- Young, Leo; Tables for cascaded homogeneous quarter-wave transformers; *T-MTT v7 n2 Apr 59* 233-237. *Correction*, Mar 60 243
- Young, Leo, and John Q. Owen; A high power duplexing filter; *T-MTT v7 n3 Jul 59* 384-387
- Young, Leo; Concerning Riblet's theorem (Corresp.); *T-MTT v7 n4 Oct 59* 477-478
- Young, Leo; Broad-band stub design (Corresp.); *T-MTT v7 n4 Oct 59* 478
- Young, Leo; Analysis of a transmission cavity wavemeter; *T-MTT v8 n4 Jul 60* 436-439
- Young, Leo; Optimum quarter-wave transformers; *T-MTT v8 n5 Sep 60* 478-482
- Young, Leo; The quarter-wave transformer prototype circuit; *T-MTT v8 n5 Sep 60* 483-489
- Young, Leo; Peak internal fields in direct-coupled-cavity filters; *T-MTT v8 n6 Nov 60* 612-616
- Young, Leo; Inhomogeneous quarter-wave transformers of two sections; *T-MTT v8 n6 Nov 60* 645-649
- Young, Leo; Stepped-impedance transformers and filter prototypes; *T-MTT v10 n5 Sep 62* 339-359
- Young, Leo, George L. Matthaei, and Edward M. T. Jones; Microwave band-stop filters with narrow stop bands; *T-MTT v10 n6 Nov 62* 416-427. *Correction*, Mar 66 164
- Young, Leo; Synchronous branch guide directional couplers for low and high power applications; *T-MTT v10 n6 Nov 62* 459-475
- Young, Leo; Direct-coupled cavity filters for wide and narrow bandwidths; *T-MTT v11 n3 May 63* 162-178. *Correction*, Nov 63 561
- Young, Leo; Group delay and dissipation loss in transmission-line filters (Corresp.); *T-MTT v11 n3 May 63* 215-217. *Correction*, Nov 63 561
- Young, Leo; Some considerations in the design of narrow-band waveguide filters; *T-MTT v11 n6 Nov 63* 522-527

- Young, Leo; Postscript to two papers on waffle-iron filters (Corresp.): *T-MTT* v11 n6 Nov 63 555-557
- Young, Leo, see Schiffman, Bernard M.; *T-MTT* v12 n2 Mar 64 155-163
- Young, Leo, and B. M. Schiffman; Pulse power capacity of short-slot couplers (Corresp.): *T-MTT* v13 n1 Jan 65 133
- Young, Leo, see Schiffman, Bernard M.; *T-MTT* v13 n4 Jul 65 427-431
- Young, Leo; Microwave filters—1965; *T-MTT* v13 n5 Sep 65 489-508
- Young, Leo, see Cristal, Edward G.; *T-MTT* v13 n5 Sep 65 544-558
- Young, Leo, see Schiffman, Bernard M.; *T-MTT* v13 n5 Sep 65 575-580
- Young, Leo, see Schiffman, Bernard M.; *T-MTT* v13 n5 Sep 65 699-700
- Young, Leo, and E. G. Cristal; Low-pass and high-pass filters consisting of multilayer dielectric stacks; *T-MTT* v14 n2 Feb 66 75-80
- Young, Leo, see Schiffman, Bernard M.; *T-MTT* v14 n10 Oct 66 474-482
- Young, Leo, and D. B. Weller; A 500-to-1000 MHz magnetically tunable band-pass filter using two YIG-disk resonators; *T-MTT* v15 n2 Feb 67 72-86
- Young, Leo, see Karp, Arthur; *T-MTT* v15 n3 Mar 67 193-195
- Young, Leo, see Cristal, E. G.; *T-MTT* v15 n3 Mar 67 195
- Young, Leo, see Schiffman, Bernard M.; *T-MTT* v16 n6 Jun 68 351-360
- Young, Leo; The characteristic impedance of waveguide (Corresp.); *T-MTT* v16 n11 Nov 68 975-976
- Young, Leo, see Robinson, Lloyd A.; *T-MTT* v20 n12 Dec 72 855-857 (2B09)
- Younger, C., see Quine, John P.; *T-MTT* v16 n11 Nov 68 952-955
- Youssef, S. E., see Hussein, Ali M.; *T-MTT* v23 n11 Nov 75 923-926 (1F03)
- Youssef, Saad E., see Hussein, Ali M.; *T-MTT* v25 n2 Feb 77 150-152 (1E14)
- Yu, Jiunn Shang; A resonance method for measurement of large dielectric constant with small loss (Corresp.); *T-MTT* v17 n9 Sep 69 724-726
- Yu, Se Puan, and John D. Young; Measurement of interaction impedance of microwave circuits for solid-state devices (Corresp.); *T-MTT* v18 n11 Nov 70 999-1001
- Yuan, L. T., G. M. Yamaguchi, and Jorg E. Raue; Design, implementation, and performance analysis of a broad-band V-band network analyzer (Short p.); *T-MTT* v24 n12 Dec 76 981-987 (2A10)
- Yuan, Lloyd T.; Design and performance analysis of an octave bandwidth waveguide mixer; *T-MTT* v25 n12 Dec 77 1048-1054 (1G02)
- Yuan, Shui, see Bura, P.; *T-MTT* v16 n7 Jul 68 424-428
- Yuki, S., see Akaike, M.; *T-MTT* v24 n3 Mar 76 147-151 (1B07)
- Yulpatov, V. K., see Flyagin, V. A.; *T-MTT* v25 n6 Jun 77 514-521 (1E06)
- Yunik, M. M., see Hamid, M. A.; *T-MTT* v15 n9 Sep 67 528-529
- Yura, Harold T., see Shapiro, Alan R.; *T-MTT* v19 n2 Feb 71 187-196 (2B10)
- Z**
- Zafar, M. S., see Chamberlain, John; *T-MTT* v22 n12 Dec 74 1028-1032 (1D08)
- Zanboorie, M. H.; A semi-automatic technique for tuning a reflectometer (Corresp.); *T-MTT* v13 n5 Sep 65 709-710
- Zanboorie, M. H., see Patty, O. L.; *T-MTT* v16 n2 Feb 68 121-123
- Zaret, Milton M., see Kaplan, Ira T.; *T-MTT* v19 n2 Feb 71 168-173 (1E08)
- Zarfler, A., see Schwering, F.; *T-MTT* v15 n3 Mar 67 191-192
- Zayats, V. A., see Vavilov, V. S.; *T-MTT* v22 n12 Dec 74 1086-1089 (2A11)
- Zelby, L. W.; Comment on 'Cerenkov radiation anisotropic ferrites'; *T-MTT* v12 n3 May 64 383
- Zelby, L. W., A. J. Russo, and S. G. Beard; The exponential horn as a uniform waveguide with a variable index of refraction (Corresp.); *T-MTT* v16 n8 Aug 68 566-567
- Zieger, Dietmar, see Vaccaro, Frank E.; *T-MTT* v19 n7 Jul 71 609-616 (1E07)
- Ziemer, Paul L., see Elle, Donald R.; *T-MTT* v21 n12 Dec 73 836-837 (3B04)
- Zimmer, H., see Schmitt, H. J.; *T-MTT* v14 n4 Apr 66 206-207
- Zimmer, Robert P., H. Allen Ecker, and Vojin P. Popovic; Selective electromagnetic heating of tumors in animals in deep hypothermia; *T-MTT* v19 n2 Feb 71 238-245 (3B07)
- Zimmerer, Robert W., Milo V. Anderson, G. L. Strine, and Yardley Beers; Millimeter wavelength resonant structures; *T-MTT* v11 n2 Mar 63 142-150
- Zimmerer, Robert W.; Spherical mirror Fabry-Perot resonators; *T-MTT* v11 n5 Sep 63 371-379
- Zimmerer, Robert W.; ADI Auxiliary Publications Program (Corresp.); *T-MTT* v13 n6 Nov 65 883-884
- Zimmerer, Robert W.; Suggested name 'nanowave region' for the E-M spectrum between 10 micrometers to 10 millimeters wavelength (Corresp.); *T-MTT* v14 n3 Mar 66 157-158
- Zimmerman, R. L., see Nudd, Graham R.; *T-MTT* v22 n1 Jan 74 25-32 (1B13)
- Zimmermann, Peter, see Haas, Robert W.; *T-MTT* v24 n11 Nov 76 881-883 (3C01)
- Zimmermann, Peter, see Keen, Nigel J.; *T-MTT* v26 n10 Oct 78 843-844 (2D07)
- Zimmermann, U., see Adam, B.; *T-MTT* v22 n12 Dec 74 1118 (2D01)
- Ziolkowski, Fred P., see Castro, Alfredo A.; *T-MTT* v24 n11 Nov 76 780-786 (2A13)
- Ziolkowski, Fredric P.; A dynamic calibration method for biphasic phase-shift-keyed modulators; *T-MTT* v23 n4 Apr 75 390-395 (1E12)
- Zublin, Kurt E.; Strip type components for 2000 megacycle receiver head-end; *T-MTT* v3 n2 Mar 55 65-74
- Zucca, R., see Long, Stephen I.; *T-MTT* v28 n5 May 80 466-472
- Zucker, Henry, and George I. Cohn; Propagation of TE modes in nonuniform waveguides; *T-MTT* v10 n3 May 62 202-208
- Zucker, Henry, see Amitay, Noach; *T-MTT* v20 n2 Feb 72 148-155 (2B06)
- Zuckerman, Douglas N., and Paul Diamant; Rank reduction of ill-conditioned matrices in waveguide junction problems; *T-MTT* v25 n7 Jul 77 613-619 (1D07)
- Zuckerman, Douglas N., and Paul Diamant; Analysis of a waveguide hybrid junction by rank reduction; *T-MTT* v25 n9 Sep 77 768-773 (1D10)
- Zuckerman, Douglas N., see Harkless, Earl T.; *T-MTT* v27 n12 Dec 79 975-982 (1D09)
- Zvyagin, A. I., see Eremenko, V. V.; *T-MTT* v22 n12 Dec 74 1069-1072 (1G07)
- Zwerdling, S., see Summers, C. J.; *T-MTT* v22 n12 Dec 74 1009-1013 (1C03)
- Zwick, U., see Gast, J.; *T-MTT* v22 n12 Dec 74 1026-1027 (1D06)
- Zysman, George I., and A. Kent Johnson; Coupled transmission line networks in an inhomogeneous dielectric medium; *T-MTT* v17 n10 Oct 69 753-759