

Cumulative Index

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- Asbeck, P. M., M. F. Chang, K.-C. Wang, D. L. Miller, G. J. Sullivan, N. H. Sheng, E. A. Sovero, and J. A. Higgins. Heterojunction bipolar transistors for microwave and millimeter-wave integrated circuits; *T-MTT Dec 87* 1462-1470
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- Ayasli, Y., S. W. Miller, R. L. Mozzi, and L. K. Hanes. Capacitively coupled traveling-wave power amplifier; *MCS 84* 52-54
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- Ayasli, Y., L. D. Reynolds, Jr., R. L. Mozzi, and L. K. Hanes. 2 – 20-GHz GaAs traveling-wave power amplifier; *T-MTT Mar 84* 290-295
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B

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- Bardati, F., M. Mongiardo, and D. Solimini. Synthetic array for radiometric retrieval of thermal fields in tissues; *T-MTT May 86* 579-583
- Bardati, F., M. Mongiardo, D. Solimini, and B. Paolone. In vivo experiment for the analysis of multi-frequency microwave radiometric data; *MWSYM 88 Vol. 1* 165-168
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- Barrett, R. M. Microwave printed circuits—The early years; *T-MTT Sep 84* 983-990
- Barry, W. A broad-band, automated, stripline technique for the simultaneous measurement of complex permittivity and permeability; *T-MTT Jan 86* 80-84
- Barta, G. S., K. E. Jones, G. C. Herrick, and E. W. Strid. A 2 to 8 GHz leveling loop using GaAs MMIC active splitter and attenuator; *MCS 86* 75-79
- Barta, G. S., K. E. Jones, G. C. Herrick, and E. W. Strid. Surface-mounted GaAs active splitter and attenuator MMIC's used in a 1 - 10-GHz leveling loop; *T-MTT Dec 86* 1569-1575
- Barth, H. Fundamental wave injection locked 2nd harmonic Gunn oscillators at 94 GHz; *MWSYM 84* 391-393
- Barth, H., and W. Menzel. GaAs Gunn oscillators reach the 140 GHz range; *MWSYM 85* 367-369
- Barth, H. A high Q cavity stabilized Gunn oscillator at 94 GHz; *MWSYM 86* 179-182
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- Bastida, E. M., and G. P. Donzelli. Air bridge gate FET for GaAs monolithic circuits; *MCS 85* 66-70
- Bastida, E. M., and G. P. Donzelli. Air bridge gate FET for GaAs monolithic circuits; *MWSYM 85* 63-67
- Bastida, E. M., and G. P. Donzelli. Airbridge gate FET for GaAs monolithic circuits; *T-MTT Dec 85* 1585-1590
- Basu, B. N., B. B. Pal, V. N. Singh, and N. C. Vaidya. Optimum design of a potentially dispersion-free helical slow-wave circuit of a broadband TWT (Short p.); *T-MTT Apr 84* 461-463
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- Batchman, T. E., and G. M. McWright. Mode coupling between dielectric and semiconductor planar waveguides; *T-MTT Apr 82* 628-634
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- Batchman, T. E., and G. Gimpelson. An implantable electric-field probe of submillimeter dimensions; *T-MTT Sep 83* 745-751
- Batelaan, P. D., M. A. Frerking, T. B. H. Kuiper, H. M. Pickett, M. M. Schaefer, P. Zimmermann, and N. C. Luhmann, Jr. A dual-frequency 183/380 GHz receiver for airborne applications; *T-MTT Apr 88* 694-700
- Bates, B. D., and P. J. Khan. Stability of multifrequency negative-resistance oscillators; *T-MTT Oct 84* 1310-1318
- Bates, B. D. A comparison of IMPATT oscillator power and frequency above 100 GHz with results derived from theoretical models (Short p.); *T-MTT Oct 84* 1394-1398
- Bates, B. D. Analysis of multiple-step radial-resonator waveguide diode mounts with application to IMPATT oscillator circuits; *MWSYM 87 Vol. 2* 669-672
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- Bates, D. A., see Snow, K. H., *T-MTT Dec 88* 1976-1985
- Baudrand, H., T. El Khoury, and D. Lilonga. Amplification by interdigital excitation of space-charge waves in semiconductors; *T-MTT Nov 84* 1434-1441
- Baudrand, H., M. Boussouis, and J. L. Amalric. Analysis of some planar structures by the least-squares boundary residual method (Short p.); *T-MTT Feb 86* 298-301
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- Bauhahn, P., T. Contolatis, J. Abrokwha, C. Chao, and C. Seashore. 94 GHz planar GaAs monolithic balanced mixer; *MWSYM 84* 47-50
- Bauhahn, P., C. Butter, V. Sokolov, and A. Contolatis. 30 GHz multi-bit monolithic phase shifters; *MCS 85* 4-7
- Bauhahn, P., A. Contolatis, V. Sokolov, and C. Chao. 30 GHz monolithic balanced mixers using an ion-implanted FET-compatible 3-inch GaAs wafer process technology; *MCS 86* 45-49
- Baum, P. Clock recovery in the gigabit region using dielectric resonators as an alternative to surface acoustic wave filters; *MWSYM 88 Vol. 1* 117-119
- Bava, E., G. P. Bava, A. Godone, and G. Rietto. Analysis of Schottky-barrier millimetric varactor doublers; *T-MTT Nov 81* 1145-1150
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- Bayraktaroglu, B., and H. D. Shih. High efficiency millimeter wave monolithic IMPATT oscillators; *MCS 85* 82-85
- Bayraktaroglu, B., and H. D. Shih. High efficiency millimeter wave monolithic IMPATT oscillators; *MWSYM 85* 124-127
- Bayraktaroglu, B., N. Camilleri, and H. Q. Tserng. AlGaAs/GaAs heterojunction bipolar transistors for power applications; *CORNEL 87* Paper 32
- Bayraktaroglu, B., N. Camilleri, and S. A. Lambert. Monolithic millimeter wave IMPATT transmitter; *CORNEL 87* Paper 45
- Bayraktaroglu, B., N. Camilleri, H. D. Shih, and H. Q. Tserng. AlGaAs/GaAs heterojunction bipolar transistors with 4 W/mm power density at X-band; *MWSYM 87 Vol. 2* 969-972
- Bayraktaroglu, B. Monolithic 60 GHz GaAs CW IMPATT oscillator; *MCS 88* 63-66
- Bayraktaroglu, B., and N. Camilleri. Microwave performances of npn and pnp AlGaAs/GaAs heterojunction bipolar transistors; *MWSYM 88 Vol. 1* 529-532
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- Bayraktaroglu, B., see Camilleri, N., *T-MTT Dec 88* 1670-1676
- Bayraktaroglu, B., N. Camilleri, and S. A. Lambert. Microwave performances of n-p-n and p-n-p AlGaAs/GaAs heterojunction bipolar transistors (Short p.); *T-MTT Dec 88* 1869-1873
- Bayraktaroglu, B. Monolithic 60 GHz GaAs CW IMPATT oscillators; *T-MTT Dec 88* 1925-1929
- Bayruns, R. J., A. D. M. Chen, J. Gilbert, R. Goyal, and J. Wang. A GaAs MESFET 7 Gb/s dynamic decision circuit I.C.; *MCS 88* 27-30
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- Beales, K. J., see Ainslie, B. J., *T-MTT Apr 82* 360-369
- Beall, J. M., S. R. Nelson, and R. E. Williams. Design and process sensitivity of a two stage 6 - 18 GHz monolithic feedback amplifier; *MCS 85* 42-45
- Beall, J. M., S. R. Nelson, and R. E. Williams. Design and process sensitivity of a two-stage 6 - 18-GHz monolithic feedback amplifier; *T-MTT Dec 85* 1567-1571
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- Bechtle, D., J. Klatskin, G. Taylor, M. Eron, S. G. Liu, R. L. Camisa, and H. Dudley. K- and Ka-band high efficiency amplifier modules using GaAs power FETs (Abstr.); *MWSYM 87 Vol. 2* 849-851
- Becker, R. C., see Beyer, J. B., *T-MTT Mar 84* 268-275
- Becker, R. C., and J. B. Beyer. On gain - bandwidth product for distributed amplifiers (Short p.); *T-MTT Jun 86* 736-738
- Bedair, S. M. Atomic layer epitaxy; *CORNEL 87* Paper 15
- Bedair, S. S., and M. I. Sobhy. Open-end discontinuity in shielded microstrip circuits (Short p.); *T-MTT Oct 81* 1107-1109
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- Belhadj-Tahar, N.-E., and A. Fourrier-Lamer. Broad-band analysis of a coaxial discontinuity used for dielectric measurements; *T-MTT Mar 86* 346-350
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- Bellantoni, J. V., G. C. Dalman, and R. C. Compton. A millimeter-wave vector network analyzer; *MWSYM 88 Vol. 2* 747-750
- Bellantoni, J. V., G. C. Dalman, C. A. Lee, and R. C. Compton. Millimeter-wave components for use in a variable state four-port network analyzer (Short p.); *T-MTT Dec 88* 1880-1885
- Belohoubek, E., R. Brown, H. C. Johnson, A. Fathy, D. Bechtle, D. Kalokitis, and E. Mykiety. 30-way radial power combiner for miniature GaAs FET power amplifiers; *MWSYM 86* 515-518
- Belohoubek, E., see Fathy, A., *MWSYM 87 Vol. 2* 565-567
- Belohoubek, E., A. Fathy, and D. Kalokitis. Microwave characteristics of bulk high- T_c superconductors; *MWSYM 88 Vol. 1* 445-448
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- Berenz, J. J., K. Nakano, and K. P. Weller. Low noise high electron mobility transistors; *MCS 84* 83-86
- Berenz, J. J., K. Nakano, and K. P. Weller. Low noise high electron mobility transistors; *MWSYM 84* 98-101
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- Berenz, J. J., H. C. Yen, R. Esfandiari, K. Nakano, T. Sato, J. Velebir, and K. Ip. 44 GHz monolithic low noise amplifier; *MCS 87* 15-18
- Berenz, J. J., see Schaffner, J. H., *MWSYM 88 Vol. 1* 233-236
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- Bermúdez, L. A., see Jiao, X. H., *T-MTT Dec 87* 1169-1175
- Bermúdez, L. A., P. Guillon, J. Obregon, and A. Bert. A 94 GHz low noise GaAs FET oscillator using whispering-gallery dielectric resonator modes and a new push - push configuration reducing 1/f converted noise; *MWSYM 88 Vol. 1* 481-484
- Bernardi, P., and G. D'Inzeo. A nonlinear analysis of the effects of transient electromagnetic fields on excitable membranes; *T-MTT Jul 84* 670-679
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- Bert, G., J.-P. Morin, G. Nuzillat, and C. Arnocq. High-speed GaAs static random-access memory; *T-MTT Jul 82* 1014-1019
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- Bessner, I. 1987 IEEE MTT-S International Microwave Symposium Keynote Address; *T-MTT Dec 87* 1105-1111
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- Beyer, A., and K. Solbach. A new fin-line ferrite isolator for integrated millimeter-wave circuits; *T-MTT Dec 81* 1344-1348
- Comments by Lange, F. J. K., *Aug 82* 1290-1291
- Beyer, A., and I. Wolff. Power density distribution analysis of ferrite loaded finlines for the development of integrated nonreciprocal millimeter wave elements; *MWSYM 84* 342-344
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- Beyer, A., D. Kother, and I. Wolff. A combined experimental and theoretical characterisation of discontinuities in unilateral finlines; *MWSYM 86* 127-130
- Beyer, A., and D. Kother. Analysis of the transmission properties of grounded finlines on anisotropic substrates; *MWSYM 87 Vol. 1* 323-326
- Beyer, A., D. Kother, and W. J. R. Hoefer. Non-uniform finlines on anisotropic substrates; *MWSYM 88 Vol. 2* 717-720
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- Beyer, J. B., S. N. Prasad, R. C. Becker, J. E. Nordman, and G. K. Hohenwarter. MESFET distributed amplifier design guidelines; *T-MTT Mar 84* 268-275
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- Bhat, B., see Koul, S. K., *T-MTT Dec 83* 1051-1059
- Bhat, B., and S. K. Koul. Lumped capacitance, open-circuit end effects, and edge-capacitance of microstrip-like transmission lines for microwave and millimeter-wave applications; *T-MTT Apr 84* 433-439
- Bhat, B., and A. K. Tiwari. Analysis of low-loss broadside-coupled dielectric image guide using the mode-matching technique (Short p.); *T-MTT Jul 84* 711-717
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- Bhattacharyya, K., S. K. De, G. Ghosh, P. C. Rakshit, P. K. Saha, and B. R. Nag. An X-band four-diode power combiner using Gunn diodes (Short p.); *T-MTT Nov 86* 1223-1225
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- Bianchini, M. J., J. B. Cole, R. DiBiase, Z. Galani, R. W. Laton, and R. C. Waterman, Jr. A single-resonator GaAs FET oscillator with noise degeneration; *MWSYM 84* 270-273
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- Binari, S. C., R. E. Neidert, and K. E. Meissner. Monolithic and discrete mm-wave InP lateral transferred-electron oscillators; *MWSYM 88 Vol. 2* 683-686
- Binari, S. C., R. E. Neidert, H. L. Grubin, and K. E. Meissner. Millimeter-wave InP lateral transferred-electron oscillators; *T-MTT Dec 88* 1695-1700
- Bingham, S. D., S. D. McCarter, and A. M. Pavio. A miniaturized 6.5 - 16 GHz monolithic power amplifier module; *MCS 85* 38-41
- Bingham, S. D., S. D. McCarter, and A. M. Pavio. A miniaturized 6.5 - 16-GHz monolithic power amplifier module; *T-MTT Dec 85* 1555-1559
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- Bingham, S. D., see Pavio, A. M., *MWSYM 88 Vol. 1* 503-504
- Bingham, S. D., see Halladay, R. H., *MWSYM 88 Vol. 2* 573-576
- Bingham, S. D., see Pavio, A. M., *T-MTT Dec 88* 1948-1957
- Bisceglia, B., G. d'Ambrosio, D. Di Berardino, M. B. Lioi, and M. R. Scarfi. Cytogenetic observations on thymidine synchronized bovine lymphocytes exposed to 7.25 GHz microwaves; *MWSYM 86* 779-781
- Bishop, W. L., K. McKinney, R. J. Mattauch, T. W. Crowe, and G. Green. A novel whiskerless Schottky diode for millimeter and submillimeter wave application; *MWSYM 87 Vol. 2* 607-610
- Biswas, A., and B. Bhat. Accurate characterization of an inductive strip in finline; *T-MTT Aug 88* 1233-1238
- Biswas, B. N., S. K. Ray, K. Pramanik, M. Sadhu, and D. Bandyopadhyay. Hold-in characteristics of an extended range Gunn oscillator system; *T-MTT Mar 83* 271-276
- Biswas, B. N., see Chattopadhyay, T. P., *T-MTT Apr 86* 442-446
- Biswas, B. N., S. Chatterjee, S. Sarkar, A. K. Bhattacharya, and S. K. Ray. Bias-tuned injection-locked discriminators; *T-MTT Sep 87* 812-817
- Black, D. N., and J. C. Wiltse. Millimeter wave characteristics of Fresnel zone plates; *MWSYM 87 Vol. 1* 437-440
- Black, D. N., and J. C. Wiltse. Millimeter-wave characteristics of phase-correcting Fresnel zone plates; *T-MTT Dec 87* 1122-1129
- Black, J. F., see Grudkowski, T. W., *T-MTT Dec 81* 1348-1356
- Blakey, P. A., and R. K. Froelich. On the transient analysis of circuits containing multiple diodes (Short p.); *T-MTT Sep 83* 781-783
- Blakey, P. A., see Crandle, T. L., *CORNEL 85* 280-287
- Blakey, P. A., see Golio, J. M., *MWSYM 85* 417-420
- Blakey, P. A. Large-signal time-domain modeling of field-effect transistors. *CORNEL 87* Paper 4
- Blakey, P. A., and T. D. Linton. A - J plane analysis for active millimeter-wave diode design; *CORNEL 87* Paper 44
- Blanchflower, I. D., see Seeds, A. J., *MWSYM 88 Vol. 2* 905-908
- Blankenship, M. G., and C. W. Deneka. The outside vapor deposition method of fabricating optical waveguide fibers; *T-MTT Oct 82* 1406-1411
- Blauvelt, H., and K. Lau. High signal to noise operation of fiber optic links to 18 GHz; *MWSYM 88 Vol. 2* 979-981
- Bleehen, N. M., see Sathiaselvan, V., *T-MTT May 86* 514-519
- Blight, R. E., see Schloemann, E., *MWSYM 86* 739-742
- Blight, R. E., see Schloemann, E., *T-MTT Dec 86* 1394-1400
- Blomfield, D. A., E. A. Williamson, and B. Egan. A design method for non-commensurate broad-band matching networks (Short p.); *T-MTT Sep 83* 774-776
- Bloom, D. M., see Rodwell, M. J. W., *MWSYM 86* 333-336
- Bloom, D. M., see Rodwell, M. J. W., *T-MTT Dec 86* 1356-1362
- Bloom, D. M., see Weingarten, K. J., *CORNEL 87* Paper 7
- Bloom, D. M., see Weingarten, K. J., *MWSYM 87 Vol. 2* 877-880
- Bloom, D. M., see Majidi-Ahy, R., *MWSYM 88 Vol. 1* 301-304
- Blum, H. P., P. E. Latham, W. G. Lawson, and C. D. Striffler. Single-particle motion in a large-orbit gyrotron; *T-MTT Nov 87* 946-955
- Blume, S., and B. Grafmüller. Electromagnetic waves in conical waveguides with elliptic cross section (Short p.); *T-MTT Jul 86* 835-838
- Blumenstock, B. J., see Yao, C., *T-MTT Aug 82* 1241-1247
- Blunt, R. T., S. Clark, and D. J. Stirland. Dislocation density and sheet resistance variations across semi-insulating GaAs wafers; *T-MTT Jul 82* 943-949
- Boag, A., and Y. Leviatan. Optimal excitation of multiapplicator systems for deep regional hyperthermia; *MWSYM 88 Vol. 1* 307-310
- Boch, E. Design of a rugged millimeter-wave doubler using a series varactor configuration; *MWSYM 88 Vol. 2* 785-787
- Bochov, E. J., see Pires, P. S. M., *T-MTT Feb 82* 131-140
- Boehm, J. F., and W. G. Albright. Unconditional stability of a three-port network characterized with S-parameters; *T-MTT Jun 87* 582-586
- Bogelsack, F., and I. Wolff. Application of a projection method to a mode-matching solution for microstrip lines with finite metallization thickness; *T-MTT Oct 87* 918-921
- Bogelsack, F., see Koslowski, S., *T-MTT Aug 88* 1265-1271
- Boire, D. C., J. E. Degenford, and M. Cohn. A 4.5 to 18 GHz phase shifter; *MWSYM 85* 601-604
- Boireau, P., see Azan, F., *MWSYM 85* 639-642
- Bolle, D. M., and S. H. Talisa. Fundamental considerations in millimeter and near-millimeter component design employing magnetoplasmons; *T-MTT Sep 81* 916-923
- Bolle, D. M., see Talisa, S. H., *T-MTT Dec 81* 1338-1343
- Bolle, D. M., and J.-F. Wagen. Edge-guided magnetoplasmons on curved interfaces in submillimeter wave devices; *MWSYM 84* 354-355
- Bolle, D. M., see Mohsenian, N., *MWSYM 85* 631-634
- Bolle, D. M., and N. Mohsenian. Correction to 'Theoretical considerations on the use of circularly symmetric TE modes for digital ferrite phase shifters' (Jul 85 421-426); *T-MTT Apr 86* 475
- Bolle, D. M., see Mohsenian, N., *T-MTT Apr 87* 464-468
- Bollen, W. M., see McAdoo, J. H., *MWSYM 88 Vol. 1* 289-292
- Bolomey, J.-C., A. Izadnegahdar, L. Jofre, C. Pichot, G. Peronnet, and M. Solaimani. Microwave diffraction tomography for biomedical applications (Short p.); *T-MTT Nov 82* 1998-2000.
- Comments by Guo, T. C., et al., *Apr 84* 473-474
- Bolomey, J.-C., L. Jofre, and G. Peronnet. On the possible use of microwave active imaging for remote thermal sensing (Short p.); *T-MTT Sep 83* 777-781
- Bolomey, J.-C., A. Izadnegahdar, L. Jofre, C. Pichot, G. Peronnet, and M. Solaimani. Reply to comments by T. C. Guo, et al., on 'Microwave diffraction tomography for biomedical applications' (Guo's comments, Apr 84 473-474); *T-MTT Jun 84* 648
- Bolomey, J.-C., see Jouvie, F., *T-MTT May 86* 495-501
- Bolomey, J.-C., see Chommeloux, L., *T-MTT Oct 86* 1064-1076
- Bonetti, R. R., and A. E. Atia. Design of cylindrical dielectric resonators in inhomogeneous media; *T-MTT Apr 81* 323-326. *Correction, Nov 81* 1239
- Bonetti, R. R., and A. E. Atia. Analysis of microstrip circuits coupled to dielectric resonators; *T-MTT Dec 81* 1333-1337
- Bonetti, R. R., and A. E. Williams. Narrow bandpass filters using the high-Q cylindrical TE_{0m1} resonator modes; *MWSYM 84* 288-289
- Bonetti, R. R., see Williams, A. E., *MWSYM 84* 290-291
- Bonetti, R. R., see Williams, A. E., *T-MTT May 85* 402-407
- Bonetti, R. R., and A. E. Williams. Quadruple-mode filters; *MWSYM 87 Vol. 1* 145-147
- Bonetti, R. R., and A. E. Williams. Application of dual TM modes to triple- and quadruple-mode filters; *T-MTT Dec 87* 1143-1149
- Bonetti, R. R., and A. E. Williams. A TE triple-mode filter; *MWSYM 88 Vol. 1* 511-514
- Boodaghians, S., see Carlin, J. W., *MWSYM 87 Vol. 2* 885-887
- Booth, P. L., S. R. Longley, and B. H. Newton. Frequency tuning of microstrip TRAPATT oscillators; *T-MTT Jan 81* 6-10
- Bornemann, J., see Arndt, F., *T-MTT Feb 82* 155-163

- Bornemann, J., see Vahldieck, R., *T-MTT Jan 83* 65-69
- Bornemann, J., see Arndt, F., *T-MTT Jan 84* 34-39
- Bornemann, J., see Vahldieck, R., *T-MTT Jan 84* 133-135
- Bornemann, J., see Arndt, F., *T-MTT Oct 84* 1391-1394
- Bornemann, J., see Arndt, F., *T-MTT Jul 85* 654-659
- Bornemann, J., see Vahldieck, R., *T-MTT Oct 85* 916-926
- Bornemann, J., and F. Arndt. Calculating the characteristic impedance of finlines by transverse resonance method; *T-MTT Jan 86* 85-92
- Bornemann, J., see Uher, J., *T-MTT Jun 87* 552-560
- Bornemann, J., and F. Arndt. Modal-S-matrix design of optimum stepped ridged and finned waveguide transformers; *T-MTT Jun 87* 561-567
- Bornemann, J., see Uher, J., *MWSYM 88 Vol. 2* 871-874
- Bornemann, J., see Uher, J., *T-MTT Jun 88* 1014-1022
- Bornemann, J., see Uher, J., *T-MTT Dec 88* 1841-1849
- Borran, A., see Lovisolo, G. A., *T-MTT Aug 84* 893-896
- Borrego, J. M., see Gutmann, R. J., *MWSYM 87 Vol. 1* 281-284
- Borrego, J. M., see Paggi, M., *MWSYM 88 Vol. 1* 229-231
- Borrego, J. M., see Paggi, M., *T-MTT Dec 88* 1593-1597
- Borup, D. T., and O. P. Gandhi. Fast-Fourier-transform method for calculation of SAR distributions in finely discretized inhomogeneous models of biological bodies; *T-MTT Apr 84* 355-360.
- Comments by Taflove, A., and Umashankar, K. R., *Apr 85* 345-346
- Borup, D. T., and O. P. Gandhi. Calculation of high-resolution SAR distributions in biological bodies using the FFT algorithm and conjugate gradient method (Short p.); *T-MTT May 85* 417-419
- Borup, D. T., D. M. Sullivan, and O. P. Gandhi. Comparison of the FFT conjugate gradient method and the finite-difference time-domain method for the 2-D absorption problem; *T-MTT Apr 87* 383-395.
- Comments by Sarkar, T. K., *Jan 88* 166-170
- Bosch, B. G., U. Langmann, and D. Daniel. 2.24 Gbit/s direct modulation of injection laser by monolithic silicon multiplexer; *MWSYM 84* 537-539
- Bosch, B. G., see Langmann, U., *T-MTT Dec 84* 1675-1677
- Bosisio, R. G., see Li, S., *T-MTT Oct 81* 1041-1048
- Bosisio, R. G., see Li, S.-h., *T-MTT Jan 82* 100-103
- Bosisio, R. G., see Li, S.-h., *T-MTT Jul 82* 1085-1090
- Bosisio, R. G., see Li, S., *T-MTT Apr 83* 321-326
- Bosisio, R. G., see Kaliouby, L., *MWSYM 84* 569-571
- Bosisio, R. G., see Kaliouby, L., *T-MTT Dec 84* 1678-1682
- Bosisio, R. G., see Kaliouby, L., *MWSYM 86* 673-676
- Bosisio, R. G., see Ghannouchi, F. M., *T-MTT Mar 88* 494-498
- Bosman, G., see Trippe, M., *T-MTT Nov 86* 1183-1192
- Bostrom, A. Passbands and stopbands for an electromagnetic waveguide with a periodically varying cross section; *T-MTT Sep 83* 752-755
- Botstein, C., see Sterzer, F., *MWSYM 84* 140-141
- Boudouris, G., see Yova, D., *T-MTT Aug 84* 891-893
- Boulanger, P., see Carmel, Y., *T-MTT Nov 84* 1493-1495
- Boulouard, A. Delay-line based techniques for microwave and millimeter-wave transmission/reflection test sets; *T-MTT Aug 82* 1174-1183
- Bourreau, D., and P. Guillon. Characteristics of coplanar waveguides with metal coating on multilayer substrate: Application to broadband LiNbO₃/Ti traveling wave light modulators/switch; *MWSYM 88 Vol. 2* 1079-1082
- Boussois, M., see Baudrand, H., *T-MTT Feb 86* 298-301
- Bowen, R. L., see Robertson, R. S., *MWSYM 88 Vol. 2* 1027-1030
- Bowers, J. E., G. S. Kino, D. Behar, and H. Olaisen. Adaptive deconvolution using a SAW storage correlator; *T-MTT May 81* 491-498
- Bowers, J. E., see Tucker, R. S., *MWSYM 86* 655-657
- Bowers, J. E. High speed optoelectronic communications and the requirements for drivers and receivers; *CORNEL 87* Paper 2
- Bowers, J. E., see Carlin, J. W., *MWSYM 87 Vol. 2* 885-887
- Bowes, J., S. J. Fiedziuszko, J. Redd, and C. Ziegler. Miniature band reject filters for satellite applications; *MWSYM 84* 245-246
- Bowling, D., see Mains, R. K., *T-MTT Feb 84* 208-212
- Bowling, D., see Dinger, R. J., *MWSYM 86* 163-166
- Bowman, R. R., see Forster, J. D., *T-MTT Aug 85* 674-680
- Boyd, C. R., Jr., see Oness, C. M., *MWSYM 86* 539-542
- Boyd, C. R., Jr., see Hord, W. E., *MWSYM 86* 727-730
- Boyd, C. R., Jr. An adjustable-phase power divider; *MWSYM 86* 735-738
- Boyd, C. R., Jr., see Hord, W. E., *MWSYM 87 Vol. 2* 985-988
- Boyd, C. R., Jr., see Hord, W. E., *T-MTT Dec 87* 1219-1225
- Boyd, D. A. Low phase noise X/Ku-band VCO; *MWSYM 87 Vol. 2* 587-590
- Boyd, J. T., see Dutta, S., *T-MTT Apr 82* 646-652
- Bozada, C. A., see Huang, C. I., *CORNEL 87* Paper 35
- Bozada, C. A., see Huang, C. I., *CORNEL 87* Paper 42
- Bozler, C. O., see Nichols, K. B., *CORNEL 85* 61-71
- Bozler, C. O., see Nichols, K. B., *CORNEL 87* Paper 37
- Bozler, C. O., see Kushner, L. J., *MWSYM 88 Vol. 1* 525-528
- Bradley, P. D., see Tucker, R. S., *T-MTT Mar 84* 296-300
- Bradley, W. J., see Perkins, T. O., III, *MWSYM 85* 155-158
- Bradshaw, S. E., see Park, P. K., *MWSYM 86* 155-156
- Brakensiek, W., see Purviance, J., *MWSYM 88 Vol. 1* 375-378
- Brand, F. A. 1988 IEEE MTT-S International Microwave Symposium Keynote Address; *T-MTT Dec 88* 1567-1577
- Brand, G. F., N. G. Douglas, M. Gross, J. Y. L. Ma, L. C. Robinson, and Z. Chen. A 125-260-GHz gyrottron; *T-MTT Jan 84* 58-64
- Brand, J. C. A simple experimental technique for determining coupling between dielectric resonators; *MWSYM 86* 399-401
- Branner, G. R., see Mitchell, M. P., *T-MTT Jun 87* 591-594
- Branner, G. R., see Bickford, J. D., *MWSYM 88 Vol. 2* 595-598
- Brantervik, K., and E. L. Kollberg. A new four-port automatic network analyzer—I: Description and performance; *T-MTT Jul 85* 563-568
- Brantervik, K. A new four-port automatic network analyzer—II: Theory; *T-MTT Jul 85* 569-575
- Braun, D. M., see Tan, T. S., *T-MTT Jun 88* 1023-1032
- Brazil, T. J., and S. O. Scanlan. Self-consistent solutions for IMPATT diode networks; *T-MTT Jan 81* 26-32
- Brazil, T. J., and S. O. Scanlan. A non-linear design and optimization procedure for GaAs MESFET oscillators; *MWSYM 87 Vol. 2* 907-910
- Brazil, T. J., and S. O. Scanlan. Nonlinear design procedures for single-frequency and broad-band GaAs MESFET power amplifiers; *T-MTT Feb 88* 388-393
- Brehm, G. E., see Scott, B. N., *T-MTT Dec 82* 2172-2177
- Bressan, M., see Conciauro, G., *T-MTT Nov 84* 1495-1504
- Bressan, M., and G. Conciauro. Singularity extraction from the electric Green's function for a spherical resonator (Short p.); *T-MTT May 85* 407-414
- Bressan, M., see Arcioni, P., *T-MTT Oct 88* 1426-1437
- Bretzke, D., see Pavia, J. S., *MWSYM 86* 423-426
- Brewer, M. K., and A. V. Räisänen. Dual-harmonic noncontacting millimeter waveguide backshots: Theory, design, and test; *T-MTT May 82* 708-714
- Brews, J. R. Characteristic impedance of microstrip lines; *T-MTT Jan 87* 30-34
- Bridge, J. P., see Curran, J. E., *MWSYM 84* 483-485
- Bridges, E., see Dobrowolski, J. A., *MWSYM 84* 572-574
- Bridges, W. B., M. B. Klein, and E. Schweig. Measurement of the dielectric constant and loss tangent of thallium mixed halide crystals KRS-5 and KRS-6 at 95 GHz; *T-MTT Mar 82* 286-292
- Bridges, W. B., see Bruno, W. M., *MWSYM 84* 497-498
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- Bristol, T. W., *Guest Ed.*, see Williamson, R. C., *Guest Ed.*, *T-MTT May 81* 393-394
- Brodwin, M. E., see Araneta, J. C., *T-MTT Oct 84* 1328-1335.
- Brodwin, M. E., and D. Johnson. Microwave sintering of ceramics; *MWSYM 88 Vol. 1* 287-288
- Bromborsky, A., and B. Ruth. Calculation of TM_{0n} dispersion relations in a corrugated cylindrical waveguide; *T-MTT Jun 84* 600-605
- Brooke, G. H., and M. M. Z. Kharadly. Scattering by abrupt discontinuities on planar dielectric waveguides; *T-MTT May 82* 760-770
- Brooks, R. C., see Wang, N.-L., *MCS 88* 59-62
- Brooks, R. C., see Wang, N.-L., *T-MTT Dec 88* 1942-1947
- Brose, J. W., and G. Flachenecker. Regional heating of tissue with control of applied power and with minimized leakage radiation; *MWSYM 87 Vol. 1* 243-246
- Brossard, P. C., see Henaff, J., *T-MTT May 81* 439-450
- Brothers, L. R., Jr., and C. H. Cox, III. A high-speed phase shifter based on optical injection; *MWSYM 87 Vol. 2* 819-822
- Brown, A. S., see Itoh, T., *CORNEL 85* 92-101
- Brown, A. S., see Mishra, U. K., *CORNEL 87* Paper 23
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- Brown, R., see Belohoubek, E., *MWSYM 86* 515-518
- Brown, R., see Fathy, A., *MWSYM 87 Vol. 2* 565-567
- Brown, W. C. Status of the microwave power transmission components for the solar power satellite; *T-MTT Dec 81* 1319-1327
- Brown, W. C. Performance characteristics of the thin-film, etched-circuit rectenna; *MWSYM 84* 365-367
- Brown, W. C. The history of power transmission by radio waves; *T-MTT Sep 84* 1230-1242
- Brown, W. C. A microwave powered, long duration, high altitude platform; *MWSYM 86* 507-510
- Brozovich, R. S., and J. R. Ashley. An analysis of the AC bandwidth of transmission line discriminators for FM noise measurement; *MWSYM 84* 513-514
- Brunkard, K. M., see Gokhale, A. V., *T-MTT Aug 84* 795-797
- Bruno, W. M., and W. B. Bridges. Powder core dielectric waveguides; *MWSYM 84* 497-498
- Bruno, W. M., and W. B. Bridges. Flexible dielectric waveguides with powder cores; *T-MTT May 88* 882-890
- Bruns, H., see Garver, R. V., *MWSYM 85* 535-536
- Bryans, L. G., see Choung, Y. H., *T-MTT Nov 82* 1862-1866
- Bryant, D. T. A monolithic reduced-size Ku-band SPDT FET switch; *MWSYM 88 Vol. 1* 371-374
- Bryant, J. H. Coaxial transmission lines, related two-conductor transmission lines, connectors and components: A US historical perspective; *T-MTT Sep 84* 970-983. *Correction*, *Oct 84* 1422
- Bryant, J. H. The first century of microwaves—1886 to 1986; *T-MTT May 88* 830-858
- Bryant, W. E., see Kanaglekar, N. G., *T-MTT Feb 87* 112-116
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- Bucaro, J. A., see Cole, J. H., *T-MTT Apr 82* 540-543
- Bucaro, J. A., see Lagakos, N., *T-MTT Oct 82* 1621-1626
- Buchalter, M. S., see Haynes, J. T., *MWSYM 85* 243-246
- Buck, D. C., and M. A. Cross. Optical injection locking of FET oscillators using fiber optics; *MWSYM 86* 611-614
- Buckley, M. J., see Berman, M., *T-MTT Nov 87* 971-977
- Buckley, M. J., G. H. Luo, and R. J. Vernon. New compact broadband high-efficiency mode converters for high power microwave tubes with TE_{0n} or TM_{0n} mode outputs; *MWSYM 88 Vol. 2* 797-800
- Buckmaster, H. A., C. H. Hansen, and H. Zaghloul. Complex permittivity instrumentation for high-loss liquids at microwave frequencies (Short p.); *T-MTT Sep 85* 822-824
- Buckmaster, H. A., T. H. T. van Kalleveen, H. Zaghloul, and C. H. Hansen. 9-GHz complex permittivity measurements of high-loss liquids using a variable-length reflection cavity and a dual-channel, double superheterodyne signal processing system; *T-MTT Oct 87* 909-916
- Bucolo, R. J., see Tripathi, V. K., *MWSYM 85* 511-514
- Bucolo, R. J., see Tripathi, V. K., *T-MTT Dec 85* 1458-1464
- Budreau, A. J., A. J. Slobodnik, Jr., and P. H. Carr. A review of SAW-based direct frequency synthesizers; *T-MTT May 82* 686-693
- Bueb, C., and D. Murrow. Thin-film millimeter-wave subassemblies; *MWSYM 88 Vol. 2* 547-550
- Buechler, J., see Strohm, K. M., *MCS 86* 93-97
- Buechler, J., E. Kasper, P. Russer, and K. M. Strohm. Silicon high-resistivity-substrate millimeter-wave technology; *T-MTT Dec 86* 1516-1521
- Buechler, J., E. Kasper, J. F. Luy, P. Russer, and K. M. Strohm. Silicon millimeter-wave circuits for receivers and transmitters; *MCS 88* 67-70
- Buhl, L. L., see Korotky, S. K., *T-MTT Oct 82* 1784-1789

- Buhl, L. L., see Alferness, R. C., *T-MTT Oct 82* 1795-1801
- Buhrman, R. A. High T_c superconductors; *CORNEL 87* Paper 5
- Bui, L. Q., see Shih, Y.-C., *T-MTT Feb 83* 135-142
- Bui, L. Q., D. Ball, and T. Itoh. Broadband millimeter-wave E -plane bandpass filters; *MWSYM 84* 236-237
- Bui, L. Q., N. Ton, and D. Ball. A D -band millimeter-wave crossbar mixer, *MWSYM 84* 555-556
- Bui, L. Q., D. Ball, and T. Itoh. Broad-band millimeter-wave E -plane bandpass filters (Short p.); *T-MTT Dec 84* 1655-1658
- Bui, L. Q., see Shih, Y.-C., *MWSYM 85* 567-569
- Bui, L. Q., see Shih, Y.-C., *T-MTT Dec 85* 1465-1469
- Bui, L. Q., R. Hennegan, and N. Ton. A mm-wave miniaturized phase-lock source for low noise receiver applications; *MWSYM 86* 367-370
- Bui, L. Q., see Ton, T. N., *MWSYM 87 Vol. 1* 387-389
- Bui, L. Q., see Shih, Y.-C., *MWSYM 88 Vol. 1* 473-475
- Bukhari, N., see Aitchison, C. S., *MWSYM 88 Vol. 2* 911-914
- Bura, P., D. Geleman, and P. Ntaka. Power amplifier for microwave digital radios with inherent phase compensation; *MWSYM 87 Vol. 1* 479-481
- Bura, P., and D. Geleman. Balanced FET up-converter for 6 GHz, 64-QAM radio; *MWSYM 88 Vol. 2* 941-943
- Burdette, E. C., P. G. Friederich, R. L. Seaman, and L. E. Larsen. In situ permittivity of canine brain: Regional variations and postmortem changes; *T-MTT Jan 86* 38-50
- Burger, H. A. Edge corrections for microstrip planar analysis models; *MWSYM 87 Vol. 2* 681-684
- Buris, N. E., and D. D. Stancil. Magnetostatic surface-wave propagation in ferrite thin films with arbitrary variations of the magnetization through the film thickness; *T-MTT Jun 85* 484-491. Correction, *Mar 86* 371
- Buris, N. E., and D. D. Stancil. Magnetostatic volume modes of ferrite thin films with magnetization inhomogeneities through the film thickness; *T-MTT Oct 85* 1089-1096
- Burkhardt, S. Coaxial E -field probe for high-power microwave measurement (Short p.); *T-MTT Mar 85* 262-265
- Burnett, C. E. 94 GHz integrated monopulse radar demonstrator; *MWSYM 87 Vol. 2* 535-538
- Burns, J. W., see Wilson, K., *T-MTT Dec 85* 1572-1578
- Burns, S. G., and R. S. Ketcham. Fundamental-mode Pierce oscillators utilizing bulk-acoustic-wave resonators in the 250 - 300 MHz range; *MWSYM 84* 83-84
- Burns, S. G., and R. S. Ketcham. Fundamental-mode Pierce oscillators utilizing bulk-acoustic-wave resonators in the 250 - 300 MHz range (Short p.); *T-MTT Dec 84* 1668-1671
- Burns, W. K., see Chen, C.-L., *T-MTT Oct 82* 1577-1588
- Burns, W. K., and A. F. Milton. 3×2 channel waveguide gyroscope couplers: Theory; *T-MTT Oct 82* 1778-1784
- Burocco, R., see Angelucci, A., *MWSYM 88 Vol. 2* 543-546
- Burton, M. N., see Hofer, W. J. R., *T-MTT Dec 82* 2190-2194
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- Butler, J. K., and S. L. March. Editors' overview; *T-MTT Dec 82* 2083-2084
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- Butler, J. K., T.-F. Wu, and M. W. Scott. Nonuniform layer model of a millimeter-wave phase shifter; *T-MTT Jan 86* 147-155.
- Comments, with reply, by Ogusa, K., and Tanaka, I., *Nov 86* 1226-1227
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- Büttgenbach, T. H., R. E. Miller, M. J. Wengler, D. M. Watson, and T. G. Phillips. A broadband low noise SIS receiver for submillimeter astronomy; *MWSYM 88 Vol. 1* 469-472
- Büttgenbach, T. H., R. E. Miller, M. J. Wengler, D. M. Watson, and T. G. Phillips. A broad-band low-noise SIS receiver for submillimeter astronomy, *T-MTT Dec 88* 1720-1726
- Button, K. J., see Afsar, M. N., *T-MTT Feb 83* 217-223
- Button, K. J., see Afsar, M. N., *MWSYM 84* 522-524
- Button, K. J. Microwave ferrite devices: The first ten years; *T-MTT Sep 84* 1088-1096
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- Byzery, B., and P. Guillon. TM_{0yg} mode of cylindrical dielectric resonators—Applications to microwave filters; *MWSYM 85* 515-518
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- Cable, P. G., see Green, E. L., *T-MTT Oct 82* 1627-1632
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- Camilleri, N., B. Kim, H. Q. Tserng, and H. D. Shih. Ka-band monolithic GaAs FET power amplifier modules; *MCS 88* 129-132
- Camilleri, N., B. Kim, H. Q. Tserng, and H. D. Shih. Ka-band monolithic GaAs FET power amplifier modules; *MWSYM 88 Vol. 1* 179-182
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- Camilleri, N., and B. Bayraktaroglu. Monolithic millimeter-wave IMPATT oscillator and active antenna; *MWSYM 88 Vol. 2* 955-958
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- Camou, J. B., see Oki, A. K., *T-MTT Dec 88* 1958-1965
- Campanella, S. J., and C. E. Mahle. Satellites and cables in the future marketplace and the role of MMIC; *MCS 88* 19-26
- Campbell, J. S., and G. T. Wrixon. Finite element analysis of skin effect resistance in submillimeter wave Schottky barrier diodes; *T-MTT May 82* 744-750
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- Campisi, I. E., and W. O. Hamilton. Experimental properties of three-cavity tunnel diode RF oscillators; *T-MTT Nov 83* 905-910
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- Canfield, P. C., J. Medinger, D. J. Allstot, L. Forbes, A. J. McCamant, B. A. Vetanen, B. Odekirk, and K. R. Gleason. High speed quarter micron buried channel MESFETs with improved output characteristics for analog applications; *CORNEL 87* Paper 30
- Cangellaris, A. C. The importance of skin-effect in microstrip lines at high frequencies; *MWSYM 88 Vol. 1* 197-198
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- Cappello, A. J., T. Alexander, J. A. Calviello, D. Ward, P. R. Bie, and R. J. Pomian. A high performance, quasi-monolithic 2 to 18 GHz distributed GaAs FET amplifier; *MWSYM 87 Vol. 2* 833-836
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- Carmel, Y., K. R. Chu, M. E. Read, V. L. Granatstein, G. Faillon, P. Boulanger, E. Kammerer, and G. Mourier. A technique to identify electromagnetic modes in oversize waveguides (Short p.); *T-MTT Nov 84* 1493-1495
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- Chang, J.-M., see Wang, C.-M., *T-MTT Apr 82* 441-447
- Chang, K., W. F. Thrower, and G. M. Hayashibara. Millimeter-wave silicon IMPATT sources and combiners for the 110-260-GHz range; *T-MTT Dec 81* 1278-1284
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- Chang, K., K. Louie, A. Grote, R. S. Tahim, M. J. Mlinar, G. M. Hayashibara, and C. Sun. V-band low-noise integrated circuit receiver; *T-MTT Feb 83* 146-154
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- Chang, K., R. S. Tahim, D. M. English, A. Grote, T. Pham, C. Sun, G. M. Hayashibara, P. C. H. Yen, and W. S. Piotrowski. W-band (75 to 110 GHz) microstrip components; *MWSYM 85* 371-374
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- Chang, K., D. M. English, R. S. Tahim, A. Grote, T. Pham, C. Sun, G. M. Hayashibara, P. C. H. Yen, and W. S. Piotrowski. W-band (75-110 GHz) microstrip components; *T-MTT Dec 85* 1375-1382
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- Chang, K., S. Martin, and F. Wang. Varactor-tuned microstrip ring resonators; *MWSYM 87 Vol. 2* 867-870
- Chang, K. Variational solutions on two opposite narrow resonant strips in waveguide; *T-MTT Feb 87* 151-158
- Chang, K., S. Martin, F. Wang, and J. L. Klein. On the study of microstrip ring and varactor-tuned ring circuits; *T-MTT Dec 87* 1288-1295
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- Chang, K.-W., D. Gerli, R. L. Carter, and J. M. Owens. Passive magnetostatic wave pulse compression loop; *MWSYM 84* 85-86
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- Chao, P. C., P. M. Smith, U. K. Mishra, S. C. Palmateer, K. H. G. Duh, and J. C. M. Hwang. Quarter-micron low-noise high electron mobility transistors; *CORNEL 85* 163-171
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- Charyk, J. V. 1986 IEEE MTT-S International Microwave Symposium—Keynote Address; *T-MTT Dec 86* 1262-1264
- Chase, E. M., and W. Kennan. A power distributed amplifier using constant- R networks; *MCS 86* 13-17
- Chase, E. M., and W. Kennan. A power distributed amplifier using constant- R networks; *MWSYM 86* 811-815
- Chatterjee, I., see Hagmann, M. J., *T-MTT Mar 81* 252-255
- Chatterjee, I., M. J. Hagmann, and O. P. Gandhi. An empirical relationship for electromagnetic energy absorption in man for near-field exposure conditions (Short p.); *T-MTT Nov 81* 1235-1238. Correction, May 82 838
- Chatterjee, I., O. P. Gandhi, and M. J. Hagmann. Numerical and experimental results for near-field electromagnetic absorption in man (Short p.); *T-MTT Nov 82* 2000-2005
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- Chen, C.-L., W. E. Courtney, L. J. Mahoney, M. J. Manfra, A. Chu, and H. A. Atwater. A low-loss Ku-band monolithic analog phase shifter. *T-MTT Mar 87* 315-320
- Chen, H. C. A coordinate-free approach to wave reflection from a uniaxially anisotropic medium; *T-MTT Apr 83* 331-336
- Comments by Fedorov, F. I., *Mar 88* 622
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- Chen, J. C., C. K. Pao, and D. W. Wong. Millimeter-wave monolithic Gunn oscillators; *MCS 87* 11-13
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- Chen, S.-W., L.-C. Chang, and J. Y. Chin. A unified design of dielectric resonator oscillators for telecommunication systems; *MWSYM 86* 593-596
- Chen, S.-W., C. Chen, and K. A. Zaki. Role of complex modes in modeling discontinuities of dielectric loaded wave guides; *MWSYM 88 Vol. 1* 207-210
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- Chen, Y.-K., G. W. Wang, D. C. Radulescu, A. N. Lepore, P. J. Tasker, and L. F. Eastman. Microwave performance of single-gate and dual-gate MODFETs using double heterojunction modulation-doped structures; *CORNEL 87* Paper 8
- Chen, Y.-K., see Najjar, F. E., *CORNEL 87* Paper 34
- Chen, Y.-K., G. W. Wang, D. C. Radulescu, A. N. Lepore, P. J. Tasker, L. F. Eastman, and E. W. Strid. Bias-dependent microwave characteristics of atomic planar-doped AlGaAs/InGaAs/GaAs double heterojunction MODFETs; *T-MTT Dec 87* 1456-1460
- Chen, Y.-K., see Wang, G. W., *T-MTT Apr 88* 756-759
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- Cherpak, N. T., and T. A. Smirnova. A broad-band traveling-wave maser for the range 40-46.5 GHz (Short p.); *T-MTT Mar 83* 306-309
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- Chew, W. C., and J. A. Kong. Asymptotic eigenequations and analytic formulas for the dispersion characteristics of open wide microstrip lines; *T-MTT Sep 81* 933-941
- Chew, W. C. Comments, with reply, on "Spectral domain analysis of an elliptical microstrip ring resonator" by A. K. Sharma (Original paper, Feb 84 212-218); *T-MTT Mar 86* 369
- Chew, W. C., and M. Moghaddam. Resonant frequencies of the axial symmetric modes in a dielectric resonator; *MWSYM 87 Vol. 1* 303-306
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- Chu, A., W. E. Courtney, L. J. Mahoney, R. W. McClelland, and H. A. Atwater. GaAs monolithic frequency doublers with series connected varactor diodes; *MWSYM 84* 51-54
- Chu, A., W. E. Courtney, L. J. Mahoney, M. J. Manfra, and A. R. Calawa. Dual function mixer circuit for millimeter wave transceiver applications; *MCS 85* 78-81
- Chu, A., W. E. Courtney, L. J. Mahoney, M. J. Manfra, and A. R. Calawa. Dual function mixer circuit for millimeter wave transceiver applications; *MWSYM 85* 120-123
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- Chung, N. S., J. H. Kim, and J. Shin. A dual six-port automatic network analyzer and its performance tests; *MWSYM 84* 565-566
- Chung, N. S., J. H. Kim, and J. Shin. A dual six-port automatic network analyzer and its performance (Short p.); *T-MTT Dec 84* 1683-1686
- Chung, S.-J., and C. H. Chen. Partial variational principle for electromagnetic field problems: Theory and applications; *T-MTT Mar 88* 473-479
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- Clarke, R. C., M. C. Driver, T. W. O'Keeffe, and R. A. Wickstrom. Fabrication technology for monolithic GaAs VFETs; *CORNEL 87* Paper 38
- Clavin, A. The 1981 MTT-S International Microwave Symposium; *T-MTT Dec 81* 1252-1258
- Cloete, J. H. The resonant frequency of rectangular interdigital filter elements (Short p.); *T-MTT Sep 83* 772-774
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- Cloete, J. H. Rectangular bars coupled through a finite-thickness slot; *T-MTT Jan 84* 39-46
- Cloete, J. H. Comment on 'Single-post inductive obstacle in rectangular waveguide' by Y. Leviatan, et al. (Original paper, Oct 83 806-812); *T-MTT May 85* 437
- Reply by Leviatan, Y., et al., *Jun 85* 556
- Cloete, J. H., see Malherbe, J. A. G., *T-MTT Jun 85* 539-543
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- Cochran, J. A. Unusual identities for special functions from waveguide propagation analyses (Short p.); *T-MTT Mar 88* 611-614
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- Cohen, E. D., A. C. MacPherson, and A. Christou. Reliability of power GaAs FET's—Au gates and Al—Au linked gates; *T-MTT Jul 81* 636-642
- Cohen, E. D. The MIMIC Program—Key to affordable MMICs for DoD systems; *MCS 88* 1-4
- Cohen, L. D., N. Worontzoff, J. Levy, and A. Harvey. Millimeter wave multiplexer with printed circuit elements for the 80 to 100 GHz frequency range; *MWSYM 84* 233-235
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- Cohen, L. D., and E. Sard. Recent advances in the modelling and performance of millimeter wave InP and GaAs VCO's and oscillators; *MWSYM 87 Vol. 1* 429-432
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- Cohn, S. B., and G. D. Osterhues. A more accurate model of the TE₁₀ type waveguide mode in suspended substrate (Short p.); *T-MTT Mar 82* 293-294. Correction, Aug 82 1291
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- Coldren, L. A., K. Furuya, B. I. Miller, and J. A. Rentschler. Etched mirror and groove-coupled GaInAsP/InP laser devices for integrated optics; *T-MTT Oct 82* 1667-1676
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- Conciauro, G., M. Bressan, and C. Zuffada. Waveguide modes via an integral equation leading to a linear matrix eigenvalue problem (Short p.); *T-MTT Nov 84* 1495-1504. Correction, *Sep 85* 839
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- Costache, G. I. Finite element method applied to skin-effect problems in strip transmission lines; *T-MTT Nov 87* 1009-1013
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- Crescenzi, E. J., Jr., J. A. Thompson, T. R. Kritzer, and M. E. Kretschmar. Operating characteristics of 2 - 8 GHz GaAs MESFET amplifiers at elevated case temperatures to 200 degrees centigrade; *MWSYM 87 Vol. 2* 837-840
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- Crowe, T. W., and R. J. Mattauch. GaAs Schottky barrier diodes for high sensitivity millimeter and submillimeter wavelength receivers; *MWSYM 87 Vol. 2* 753-756
- Crowe, T. W., and R. J. Mattauch. Analysis and optimization of millimeter- and submillimeter-wavelength mixer diodes; *T-MTT Feb 87* 159-168
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- Crowley, C. W., and P. P. Silvester. Comments, with reply, on 'Three-dimensional finite, boundary, and hybrid element solutions of the Maxwell equations for lossy dielectric media' by K. D. Paulsen, et al. (Original paper, Apr 88 682-693); *T-MTT Oct 88* 1459
- Crowley, K. Advances in low-cost component manufacturing: Avantek's die manufacturing facility in Newark, California; *MWSYM 86* 433-435
- Crowne, F. Double-drift instabilities for 2-D electron and hole gas superlattices: A solid-state two-stream amplifier; *CORNEL 85* 261-270
- Crowne, F., A. Eskandarian, H. B. Sequeira, and R. Jakhete. The deformable-channel model—A new approach to high-frequency MESFET modeling; *MWSYM 87 Vol. 2* 573-574
- Crowne, F., A. Eskandarian, H. B. Sequeira, and R. Jakhete. The deformable-channel model—A new approach to high-frequency MESFET modeling; *T-MTT Dec 87* 1199-1207
- Cudd, P. A., A. P. Anderson, M. S. Hawley, and J. Conway. Phased-array design considerations for deep hyperthermia through layered tissue; *T-MTT May 86* 526-531
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- Culbertson, R. B., and D. C. Zimmermann. A 3-watt X-band monolithic variable gain amplifier; *MCS 88* 121-124
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- Curtice, W. R., and M. Ettenberg. A nonlinear GaAs FET model for use in the design of output circuits for power amplifiers; *MWSYM 85* 405-408
- Curtice, W. R., and M. Ettenberg. A nonlinear GaAs FET model for use in the design of output circuits for power amplifiers; *T-MTT Dec 85* 1383-1394
- Curtice, W. R. Nonlinear analysis of GaAs MESFET amplifiers, mixers, and distributed amplifiers using the harmonic balance technique; *T-MTT Apr 87* 441-447
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- Comments by Hoffmann, R., *Nov 86* 1227-1228

D

- D'Addario, L. R. Saturation of the SIS mixer by out-of-band signals (Short p.); *T-MTT Jun 88* 1103-1105
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- Dalman, G. C., see Bellantoni, J. V., *T-MTT Dec 88* 1880-1885
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- Dandridge, A.**, and H. F. Taylor. Correlation of low-frequency intensity and frequency fluctuations in GaAlAs lasers; *T-MTT Oct 82* 1726-1738
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- Daniele, V.**, I. Montrosset, and R. Zich. Comments, with reply, on 'Scattering at a junction of two waveguides with different surface impedances' by C. Dragone (Original paper, Oct 84 1319-1328); *T-MTT Aug 85* 740-741
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- Dao, T.**, S. Huettner, and A. Platzker. A low phase noise MMIC/hybrid 3.0W amplifier at X-band; *MWSYM 86* 459-462
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- Daryoush, A. S.**, P. R. Herczfeld, A. Rosen, A. K. Sharma, and V. M. Contarino. Indirect sub-harmonic optical injection locking of a millimeter wave IMPATT oscillator; *MWSYM 86* 109-112
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- Daryoush, A. S.**, P. R. Herczfeld, Z. Turski, and P. Wahi. Comparison of indirect optical injection-locking techniques of multiple X-band oscillators; *T-MTT Dec 86* 1363-1370
- Daryoush, A. S.**, P. R. Herczfeld, A. Rosen, A. K. Sharma, and V. M. Contarino. Indirect subharmonic optical injection locking of a millimeter-wave IMPATT oscillator; *T-MTT Dec 86* 1371-1376
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- Daryoush, A. S.**, P. R. Herczfeld, R. Glatz, and A. P. S. Khanna. Phase and frequency coherency of multiple optically synchronized 20 GHz FET oscillators for satellite communications; *MWSYM 87 Vol. 2* 823-826
- Daryoush, A. S.**, A. P. S. Khanna, K. B. Bhasin, and R. Kunath. Fiber optic links for millimeter wave communication satellites; *MWSYM 88 Vol. 2* 933-936
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- Das, B. N.**, and K. V. S. V. R. Prasad. A generalized formulation of electromagnetically coupled striplines; *T-MTT Nov 84* 1427-1433
- Das, B. N.**, and K. V. S. V. R. Prasad. Even- and odd-mode impedances of coupled elliptic arc strips (Short p.); *T-MTT Nov 84* 1475-1479
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- Das, B. N.**, K. V. S. V. R. Prasad, and K. V. Seshagiri Rao. Excitation of waveguide by stripline- and microstrip-line-fed slots; *T-MTT Mar 86* 321-327
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- Das, B. N.**, G. S. N. Raju, and A. Chakraborty. Analysis of coplanar E-H plane T-junction using dissimilar rectangular waveguides (Short p.); *T-MTT Mar 88* 604-606
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- Das, N. K.**, and D. M. Pozar. A generalized spectral-domain Green's function for multilayer dielectric substrates with application to multilayer transmission lines; *T-MTT Mar 87* 326-335
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- Dasgupta, D.**, and P. K. Saha. Eigenvalue spectrum of rectangular waveguide with two symmetrically placed double ridges; *T-MTT Jan 81* 47-51
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 Franceschetti, G., and I. Pinto. Cell membrane nonlinear response to an applied electromagnetic field; *T-MTT Jul 84* 653-658
 Francois, P.-L., I. Sasaki, and M. J. Adams. Practical three-dimensional profiling of optical fiber preforms; *T-MTT Apr 82* 370-381
 Francois, P.-L. Tolerance requirements for dispersion free single-mode fiber design. Influence of geometrical parameters, dopant diffusion, and axial dip; *T-MTT Oct 82* 1478-1487
 Franconi, C., C. A. Tiberio, L. Raganella, and L. Begnozzi. Low-frequency RF twin-dipole applicator for intermediate depth hyperthermia; *T-MTT May 86* 612-619
 Frank, D. J., see Baratte, H., *CORNEL 87* Paper 17
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 Fratamico, J. J., Jr., M. J. Gans, and G. J. Owens. A wide scan quasi-optical frequency diplexer; *T-MTT Jan 82* 20-27
 Frater, R. H., and D. R. Williams. An active 'cold' noise source; *T-MTT Apr 81* 344-347
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- Freitag, R. G., S. H. Lee, D. M. Krafesik, D. E. Dawson, and J. E. Degenford. Stability and improved circuit modeling considerations for high power MMIC amplifiers; *MCS 88* 125-128
- Freitag, R. G., S. H. Lee, D. M. Krafesik, D. E. Dawson, and J. E. Degenford. Stability and improved circuit modeling considerations for high power MMIC amplifiers; *MWSYM 88 Vol. 1* 175-178
- Frenna, J. Realization of dual-mode longitudinal filters with arbitrary polarization of input and output ports; *MWSYM 86* 253-256
- Frensley, W. R. Analysis of quantum semiconductor devices; *CORNEL 85* 14-23
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- Frerking, M. A., see Benson, K., *T-MTT Dec 85* 1367-1374
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- Freude, W. Comments on 'The measurement of noise in microwave transmitters' by J. R. Ashley, et al. (Original paper, Apr 77 294-318); *T-MTT May 84* 559-561
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- Friedgut, M. New concepts in traveling-wave amplifiers (Short p.); *T-MTT Apr 86* 446-451
- Friend, A. W., S. L. Gartner, K. R. Foster, and H. Howe, Jr. The effects of high power microwave pulses on red blood cells and the relationship to transmembrane thermal gradients; *T-MTT Dec 81* 1271-1277
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- Fujikawa, G., and R. Kerczewski. Performance of a Ka-band satellite system under variable transmitted signal power conditions; *MWSYM 87 Vol. 1* 471-474
- Fujishima, S. An overview of Japanese manufacturing of SAW devices; *MWSYM 86* 561-564
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- Fujiwara, M., see Kondo, M., *T-MTT Oct 82* 1747-1753
- Fujiwara, O., and Y. Amemiya. Microwave power absorption in a biological specimen inside a standing-wave irradiation waveguide (Short p.); *T-MTT Nov 82* 2008-2012
- Fujiwara, Y., see Kawamoto, K., *MWSYM 85* 689-692
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- Fukasawa, A. Analysis and composition of a new microwave filter configuration with inhomogeneous dielectric medium; *T-MTT Sep 82* 1367-1375
- Fukaya, J., M. Ishii, M. Matsumoto, and Y. Hirano. A C-band 10 Watt GaAs power FET; *MWSYM 84* 439-440
- Fukui, H. Addendum to 'Design of microwave GaAs MESFETs for broad-band low-noise amplifiers' (Jul 79 643-650); *T-MTT Oct 81* 1119.
- Comments by Pospieszalski, M. W., and Wiatr, W., Jan 86 194
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- Fukui, K., see Nogi, S., *T-MTT Sep 87* 835-842
- Fukumoto, K., M. Nakajima, and J.-i. Ikenoue. Mathematical representation of microwave oscillator characteristics by use of the Rieke diagram (Short p.); *T-MTT Nov 83* 954-959
- Fukumoto, K., M. Nakajima, and J.-i. Ikenoue. Mathematical expression of the loading characteristics of microwave oscillators and injection-locking characteristics (Short p.); *T-MTT Apr 85* 319-323
- Fukuoka, Y., Y.-C. Shih, and T. Itoh. Analysis of slow-wave coplanar waveguide for monolithic integrated circuits; *T-MTT Jul 83* 567-573
- Fukuoka, Y., and T. Itoh. Slow-wave coplanar waveguide on periodically doped semiconductor substrate; *T-MTT Dec 83* 1013-1017
- Fukuoka, Y., and T. Itoh. Field analysis of millimeter-wave GaAs double-drift IMPATT diode in the travelling-wave mode; *MWSYM 84* 169-171
- Fukuoka, Y., and T. Itoh. Field analysis of a millimeter-wave GaAs double-drift IMPATT diode in the traveling-wave mode; *T-MTT Mar 85* 216-222
- Fukuoka, Y., Q. Zhang, D. P. Neikirk, and T. Itoh. Analysis of multilayer interconnection lines for a high-speed digital integrated circuit; *T-MTT Jun 85* 527-532
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- Furuya, K., B. I. Miller, L. A. Coldren, and R. E. Howard. A novel deposit/spin waveguide interconnection (DSWI) for semiconductor integrated optics; *T-MTT Oct 82* 1771-1777
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G

- Gaboriaud, G., see Jouvie, F., *T-MTT May 86* 495-501
- Gabriel, G. J. Comments, with reply, on 'Variational methods for nonstandard eigenvalue problems in waveguide and resonator analysis' by I. V. Lindell (Original paper, Aug 82 1194-1204); *T-MTT Sep 83* 786-789
- Gabriel, G. J. Further comments, with reply, on 'Variational methods for nonstandard eigenvalue problems in waveguide and resonator analysis' by I. V. Lindell (Original paper, Aug 82 1194-1204); *T-MTT Apr 84* 474-476
- Gajda, G. B., and S. S. Stuchly. Numerical analysis of open-ended coaxial lines; *T-MTT May 83* 380-384
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- Galani, Z., M. J. Bianchini, R. C. Waterman, Jr., R. DiBiase, R. W. Laton, and J. B. Cole. Analysis and design of a single-resonator GaAs FET oscillator with noise degeneration; *T-MTT Dec 84* 1556-1565
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- Gandhi, O. P. Biological effects and medical applications of RF electromagnetic fields; *T-MTT Nov 82* 1831-1847
- Gandhi, O. P., see Riaz, A., *T-MTT Nov 82* 1996-1998
- Gandhi, O. P., see Chatterjee, I., *T-MTT Nov 82* 2000-2005
- Gandhi, O. P., see Ghodgaonkar, D. K., *T-MTT Jun 83* 442-446
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- Gandhi, O. P., see Borup, D. T., *T-MTT May 85* 417-419
- Gandhi, O. P., and A. Riaz. Absorption of millimeter waves by human beings and its biological implications; *T-MTT Feb 86* 228-235
- Gandhi, O. P., see Borup, D. T., *T-MTT Apr 87* 383-395.
- Gane, E., see Khanna, A. P. S., *MWSYM 88 Vol. 2* 601-604
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- Gärtner, U., and B. Schiek. A broadband homodyne network analyser with binary phase modulation; *MWSYM 85* 725-728
- Gärtner, U., and B. Schiek. A broad-band homodyne network analyzer with binary phase modulation (Short p.); *T-MTT Aug 86* 902-906
- Garver, R. V., C. Fazi, and H. Bruns. Dynamic diode mixer damage measurements; *MWSYM 85* 535-536
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- Gatti, G., G. Turgeon, L. Duque, J. Zaichowsky, and M. de Payrebrune. High efficiency 4 GHz SSPA for space application; *MWSYM 86* 319-323
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- Gautier, H., and P. Tournois. Very fast signal processors as a result of the coupling of surface acoustic wave and digital technologies; *T-MTT May 81* 404-409

- Gautier, J.-L., D. Pasquet, and P. Pouvil. Optical effects on the static and dynamic characteristics of a GaAs MESFET (Short p.); *T-MTT Sep 85* 819-822
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- Gayral, M., E. Ngoya, R. Quere, J. Rousset, and J. Obregon. The spectral balance: A general method for analysis of nonlinear microwave circuits driven by non-harmonically related generators; *MWSYM 87 Vol. 1* 119-121
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- Geddes, J., V. Sokolov, and A. Contolatis. W-band GaAs MESFET frequency doubler; *MCS 87* 10-10
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- Gee, C. M., I. L. Newberg, G. D. Thurmond, and H. W. Yen. 10 GHz RF fiber optic links; *MWSYM 86* 709-712
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- Geissberger, A. E., R. A. Sadler, E. Griffin, I. J. Bahl, H. P. Singh, and M. J. Drinkwine. A refractory self-aligned gate process for monolithically combined microwave and digital GaAs ICs; *MWSYM 87 Vol. 2* 665-668
- Geissberger, A. E., see Lewis, G. K., *MCS 88* 51-54
- Geissberger, A. E., R. A. Sadler, H. P. Singh, G. K. Lewis, I. J. Bahl, and M. L. Balzan. A monolithic L-band limiting amplifier and dual-modulus prescaler GaAs integrated circuit; *MWSYM 88 Vol. 2* 569-572
- Geissberger, A. E., R. A. Sadler, H. P. Singh, G. K. Lewis, I. J. Bahl, M. L. Balzan, E. Griffin, and M. J. Drinkwine. Fabrication, RF performance, and yield of a combined limiting amplifier and dual-modulus prescaler GaAs IC chip; *T-MTT Dec 88* 1706-1713
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- Gelin, P., M. Petenzi, and J. Citerne. Rigorous analysis of the scattering of surface waves in an abruptly ended slab dielectric waveguide; *T-MTT Feb 81* 107-114
- Gelin, P., S. Toutain, P. Kennis, and J. Citerne. Scattering of the TE₀₁ and TM₀₁ modes on transverse discontinuities in a rod dielectric waveguide—Application to the dielectric resonators; *T-MTT Jul 81* 712-719
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- Gering, J. M., T. J. Rudnick, and P. D. Coleman. Microwave detection using the resonant tunneling diode; *T-MTT Jul 88* 1145-1150
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- Giallorenzi, T. G., J. A. Bucaro, A. Dandridge, G. H. Sigel, Jr., J. H. Cole, S. C. Rashleigh, and R. G. Priest. Optical fiber sensor technology; *T-MTT Apr 82* 472-511
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- Giallorenzi, T. G., *Guest Ed.* Foreword to the special issue on optical guided wave technology; *T-MTT Apr 82* 303-304
- Giallorenzi, T. G., *Guest Ed.* Foreword to the special issue on optical guided wave technology; *T-MTT Oct 82* 1404-1405
- Giannini, F., M. Salerno, and R. Sorrentino. Design of low-pass elliptic filters by means of cascaded microstrip rectangular elements; *T-MTT Sep 82* 1348-1353
- Giannini, F., R. Sorrentino, and J. Vrba. Planar circuit analysis of microstrip radial stub; *MWSYM 84* 124-125
- Giannini, F., R. Sorrentino, and J. Vrba. Planar circuit analysis of microstrip radial stub (Short p.); *T-MTT Dec 84* 1652-1655
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- Giannini, F., M. Ruggieri, and J. Vrba. Shunt-connected microstrip radial stubs (Short p.); *T-MTT Mar 86* 363-366
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- Giaux, J. Delannoy, D. Delvalet, Y. Leroy, A. Mamouni, and J. C. Van De Velde. Microwave imaging at 3 GHz for the exploration of tumors of the breast; *MWSYM 88 Vol. 1* 157-160
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- Gilmore, R. J., and F. J. Rosenbaum. An analytic approach to optimum oscillator design using S-parameters; *T-MTT Aug 83* 633-639
- Gilmore, R. J., and F. J. Rosenbaum. Modeling of nonlinear distortion in GaAs MESFETs; *MWSYM 84* 430-431
- Gilmore, R. J., R. Kiehne, and F. J. Rosenbaum. Circuit design to reduce 3rd order intermodulation distortion in FET amplifiers; *MWSYM 85* 413-416
- Gilmore, R. J. Design of a novel FET frequency doubler using a harmonic balance algorithm; *MWSYM 86* 585-588
- Gilmore, R. J. Nonlinear circuit design using the modified harmonic balance algorithm; *T-MTT Dec 86* 1294-1307
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- Gladstone, J. Commercial applications of GaAs ICs; *MCS 88* 103-107
- Gladstone, J. Commercial applications of GaAs ICs; *MWSYM 88 Vol. 1* 93-97
- Glance, B. S. New phase-lock loop circuit providing very fast acquisition time; *T-MTT Sep 85* 747-754
- Glandorf, F. J., and I. Wolff. A spectral domain hybrid field analysis of periodically inhomogeneous microstrip lines; *MWSYM 84* 466-468
- Glandorf, F. J., and I. Wolff. A spectral-domain analysis of periodically nonuniform microstrip lines; *T-MTT Mar 87* 336-343
- Comments by Rademacher, L. J., *Mar 88* 622-624
- Glandorf, F. J., and I. Wolff. A spectral-domain analysis of periodically nonuniform coupled microstrip lines; *T-MTT Mar 88* 522-528
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- Glisson, A. W., D. Kajfez, and J. James. Evaluation of modes in dielectric resonators using a surface integral equation formulation; *T-MTT Dec 83* 1023-1029
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- Godshalk, E. M., and F. J. Rosenbaum. Nonreciprocal effects in semiconductor loaded waveguide at millimeter wavelengths; *MWSYM 84* 455-456
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- Goel, A. K., and C. R. Westgate. Modeling of the transverse delays in GaAs MESFETs; *T-MTT Oct 88* 1411-1417
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- Gokhale, A. V., K. M. Brunkard, and W. F. Pickard. The absence of significant short-term electromagnetic bioeffects in giant algal cells exposed to CW and pulse-modulated X-band bursts; *T-MTT Aug 84* 795-797
- Goldberg, H., see Dhillion, S. S., *MWSYM 84* 257-259
- Goldberg, L., H. F. Taylor, A. Dandridge, J. F. Weller, and R. O. Miles. Spectral characteristics of semiconductor lasers with optical feedback; *T-MTT Apr 82* 401-410
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- Goldgeier, P., see Dhillion, S. S., *MWSYM 84* 257-259

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- Goldner, R. B., see Hill, J. C., *T-MTT Aug 85* 718-722
- Goldsmith, P. F. Diffraction loss in dielectric-filled Fabry - Perot interferometers (Short p.); *T-MTT May 82* 820-823
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- Goldsmith, P. F. Gaussian beam imaging with cylindrical optics; *MWSYM 85* 173-174
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- Goldwasser, R., D. Donoghue, G. Dawe, S. Nash, C. Fingerma, I. Crossley, C. Mason, L. Raffaelli, and R. Tayrani. Monolithic Ka-band VCOs; *MCS 88* 55-58
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- Golio, J. M., P. A. Blakey, and R. O. Grondin. A general CAD tool for large-signal GaAs MESFET circuit design; *MWSYM 85* 417-420
- Golio, J. M., see Warren, D., *T-MTT Nov 88* 1535-1539
- Goll, J. H., and D. C. Malocha. An application of SAW convolvers to high bandwidth spread spectrum communications; *T-MTT May 81* 473-483
- Golomb, D., Y. Goren, A. Ron, and J. L. Hirshfield. Investigation of the saturation properties of gyroamplifiers; *T-MTT Jun 88* 934-938
- Gomaa, L. R. Beam propagation method applied to a step discontinuity in dielectric planar waveguides (Short p.); *T-MTT Apr 88* 791-792
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- Goodhue, W. D., see Sollner, T. C. L. G., *CORNEL 85* 252-260
- Goodhue, W. D., S. W. Pang, and M. A. Hollis. Advanced device fabrication with angled chlorine ion beam assisted etching; *CORNEL 87* Paper 29
- Goodhue, W. D., and E. R. Brown. A new method to detect ballistic electrons in GaAs; *CORNEL 87* Paper 39
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- Gopinath, A. Maximum Q-factor of microstrip resonators; *T-MTT Feb 81* 128-131
- Gopinath, A., and J. B. Rankin. Single-gate MESFET frequency doublers; *T-MTT Jun 82* 869-875
- Gopinath, A., A. J. Seeds, and J. B. Rankin. Comparison of single- and dual-gate FET frequency doublers (Short p.); *T-MTT Jun 82* 919-920
- Gopinath, A. Losses in coplanar waveguides (Short p.); *T-MTT Jul 82* 1101-1104
- Gopinath, A., and J. B. Rankin. Effect of doping profile variation on the performance of the permeable base transistor; *CORNEL 85* 82-91
- Gopinath, A. Impedance of GaAs p-i-n diodes; *MWSYM 88 Vol. 2* 801-802
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- Gorman, G. M., see Oki, A. K., *T-MTT Dec 88* 1958-1965
- Goudey, K. R., see Choung, Y. H., *T-MTT Nov 82* 1862-1866
- Goutoule, J. M., P. Espes, P. Fraise, and P. Combes. Asymmetrical structure fin-line: An alternative for satellite applications; *MWSYM 86* 217-220
- Gowen, E., see Liechti, C. A., *T-MTT Jul 82* 998-1006
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- Gray, K. G., see Shih, Y.-C., *MWSYM 84* 238-239
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- Green, C. R., A. A. Lane, P. N. Tombs, R. Shukla, J. R. Sparrow, and P. D. Cooper. A 2 watt GaAs TX/RX module with integral control circuitry, for S-band phased array radars; *MWSYM 87 Vol. 2* 933-936
- Green, E. L., and P. G. Cable. Passive demodulation of optical interferometric sensors; *T-MTT Oct 82* 1627-1632
- Green, G., see Bishop, W. L., *MWSYM 87 Vol. 2* 607-610
- Green, H. E., see Cashman, J. D., *T-MTT Jun 84* 582-586
- Green, H. E., and J. D. Cashman. Higher order mode cutoff in polygonal transmission lines (Short p.); *T-MTT Jan 85* 67-69
- Green, H. E., and J. D. Cashman. End effect in open-circuited two-wire transmission lines (Ltr.); *T-MTT Jan 86* 180-182
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- Greenwald, Z., see Al-Omar, A., *CORNEL 87* Paper 43
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- Greiling, P. T. The historical development of GaAs FET digital IC technology; *T-MTT Sep 84* 1144-1156
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- Greiling, P. T. High-speed digital IC performance outlook; *T-MTT Mar 87* 245-259
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- Grote, A., and K. Chang. 60 GHz integrated circuit quadruphase exciter and modulator; *MWSYM 84* 445-447
- Grote, A., and K. Chang. 60-GHz integrated-circuit high data rate quadruphase shift keying exciter and modulator (Short p.); *T-MTT Dec 84* 1663-1667
- Grote, A., R. S. Tahim, and K. Chang. Miniature millimeter-wave integrated circuit wideband downconverters; *MWSYM 85* 159-162
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- Grubin, H. L., see Binari, S. C., *T-MTT Dec 86* 1695-1700
- Grudkowski, T. W., G. K. Montress, M. Gilden, and J. F. Black. Integrated circuit compatible surface acoustic wave devices on gallium arsenide; *T-MTT Dec 81* 1348-1356
- Gruener, K., see Vowinkel, B., *T-MTT Dec 83* 996-1001
- Grüner, K., see Vowinkel, B., *T-MTT Jun 81* 535-541
- Gruner, L. Higher-order modes in squared coaxial lines (Short p.); *T-MTT Sep 83* 770-772
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- Gu, C., see Qi, L., *MWSYM 88 Vol. 1* 399-402
- Gu, K., see Wang, Y., *MWSYM 88 Vol. 1* 331-334
- Gu, M., C. Huang, S. Zhang, Z. Gu, and Q. Xu. MIC assembly for 12-GHz direct broadcast satellite receiver; *MWSYM 85* 107-110
- Gu, Q., see Yang, Y.-C. E., *T-MTT Nov 85* 1120-1130
- Gu, Q., and J. A. Kong. Transient analysis of single and coupled lines with capacitively-loaded junctions; *T-MTT Sep 86* 952-964.
- Comments by Olson, K. S., et al., *Oct 87* 929-930
- Gu, Q., see Lindell, I. V., *T-MTT Oct 87* 893-897
- Gu, Y.-G., and O. P. Gandhi. Phased-dipole applicators for torso heating in electromagnetic hyperthermia (Short p.); *T-MTT Jun 84* 645-647
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- Guediri, F., see Fliegel, F. M., *T-MTT Dec 87* 1164-1168
- Guerquin-Kern, J. L., M. J. Hagmann, C. K. Charny, and R. L. Levin. Energy deposition patterns within limb models heated with a mini annular phased array (MAPA) applicator; *MWSYM 86* 775-778
- Guglielmi, M., and A. A. Oliner. An improved multimode small aperture/obstacle theory; *MWSYM 87 Vol. 2* 781-784
- Guillon, P., see Farzaneh, F., *MWSYM 84* 115-117
- Guillon, P., M. P. Chong, and Y. Garault. Dielectric resonators band pass filter with high attenuation rate; *MWSYM 84* 240-242
- Guillon, P., see Byzery, B., *MWSYM 85* 515-518
- Guillon, P., B. Byzery, and M. Chaubet. Coupling parameters between a dielectric resonator and a microstripline; *T-MTT Mar 85* 222-226
- Guillon, P., see Julien, A., *T-MTT Jun 86* 723-729
- Guillon, P., see Jiao, X. H., *MWSYM 87 Vol. 1* 367-370
- Guillon, P., see Jiao, X. H., *T-MTT Dec 87* 1169-1175
- Guillon, P., see Bermúdez, L. A., *MWSYM 88 Vol. 1* 481-484
- Guillon, P., see Bourreau, D., *MWSYM 88 Vol. 2* 1079-1082
- Guo, C., M. Camiade, D. Rousset, A. Cessey, J. Obregon, and A. Bert. Optimum design of non linear power FET amplifiers; *MWSYM 87 Vol. 1* 111-113
- Guo, C., M. Camiade, D. Rousset, A. Cessey, J. Obregon, and A. Bert. Optimum design of nonlinear FET amplifiers; *T-MTT Dec 87* 1348-1354
- Guo, C., E. Ngoya, R. Quere, M. Camiade, and J. Obregon. Optimal CAD MESFETs frequency multipliers with and without feedback; *MWSYM 88 Vol. 2* 1115-1118
- Guo, C.-Z., and K.-G. Wang. Intrinsic pulsation in stripe-geometry DH semiconductor lasers; *T-MTT Oct 82* 1716-1725
- Guo, T. C., W. W. Guo, L. E. Larsen, and J. H. Jacobi. Comments, with reply, on 'Heat transfer in surface-cooled objects subject to microwave heating' by K. R. Foster, et al. (Original paper. Aug 82 1158-1166); *T-MTT Sep 83* 783-785
- Guo, T. C., W. W. Guo, and L. E. Larsen. Comments on 'Microwave diffraction tomography for biomedical applications' by J.-C. Bolomey, et al. (Original paper, Nov 82 1998-2000); *T-MTT Apr 84* 473-474.
- Reply by Guo, T. C., et al., *Jun 84* 648
- Guo, T. C., W. W. Guo, and L. E. Larsen. Microwave-induced thermoacoustic effect in dielectrics and its coupling to external medium—A thermodynamical formulation; *T-MTT Aug 84* 835-843
- Guo, T. C., W. W. Guo, and L. E. Larsen. A local field study of a water-immersed microwave antenna array for medical imagery and therapy; *T-MTT Aug 84* 844-854
- Guo, W. W., see Guo, T. C., *T-MTT Sep 83* 783-785
- Guo, W. W., see Guo, T. C., *T-MTT Apr 84* 473-474.
- Guo, W. W., see Guo, T. C., *T-MTT Aug 84* 835-843
- Guo, W. W., see Guo, T. C., *T-MTT Aug 84* 844-854
- Gupta, A. K., R. T. Chen, E. A. Sovero, and J. A. Higgins. Power saturation characteristics of GaAs/AlGaAs high electron mobility transistors; *MCS 85* 50-53
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- Gupta, I., see Paul, A., *T-MTT Feb 81* 114-117
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- Gupta, K. C., see Sharma, P. C., *T-MTT Jan 84* 1-4
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- Gupta, K. C., and M. D. Abouzahra. Analysis and design of four-port and five-port microstrip disc circuits; *T-MTT Dec 85* 1422-1428
- Gupta, K. C., see Benalla, A., *T-MTT Jun 86* 733-736
- Gupta, K. C., see Abouzahra, M. D., *MWSYM 87 Vol. 1* 211-214
- Gupta, K. C., see Abouzahra, M. D., *T-MTT Dec 87* 1296-1302
- Gupta, K. C., see Abouzahra, M. D., *MWSYM 88 Vol. 2* 661-664
- Gupta, K. C., see Abouzahra, M. D., *T-MTT Dec 88* 1747-1751
- Gupta, K. C., *Guest Ed.*, and T. Itoh, *Guest Ed.*. Microwave computer-aided design (Edt.); *T-MTT Feb 88* 205-207
- Gupta, M. S., R. W. Laton, and T. T. Lee. Performance and design of microwave FET harmonic generators (Short p.); *T-MTT Mar 81* 261-263
- Gupta, M. S., O. Pitzalis, Jr., S. E. Rosenbaum, and P. T. Greiling. Microwave noise characterization of GaAs MESFETs by on-wafer measurement of the output noise current; *MWSYM 87 Vol. 1* 513-516
- Gupta, M. S., O. Pitzalis, Jr., S. E. Rosenbaum, and P. T. Greiling. Microwave C noise characterization of GaAs MESFETs: Evaluation by on-wafer low-frequency output noise current measurement; *T-MTT Dec 87* 1208-1218
- Gupta, M. S. Noise in high speed digital systems; *MWSYM 88 Vol. 2* 1127-1130
- Gupta, M. S., and P. T. Greiling. Microwave noise characterization of GaAs MESFETs: Determination of extrinsic noise parameters; *T-MTT Apr 88* 745-751
- Gupta, O. S., see Sarkar, S., *T-MTT Jul 86* 839-840
- Gupta, O. S., see Sarkar, S., *T-MTT May 87* 533-535
- Gupta, R. K., and W. J. Getsinger. Quasi-lumped-element 3- and 4-port networks for MIC and MMIC applications; *MWSYM 84* 409-411
- Gupta, R. K., S. E. Anderson, and W. J. Getsinger. Impedance transforming 3-dB 90° hybrids; *MWSYM 87 Vol. 1* 203-206
- Gupta, R. K., S. E. Anderson, and W. J. Getsinger. Impedance-transforming 3-dB 90° hybrids; *T-MTT Dec 87* 1303-1307
- Gurel, L., see Chew, W. C., *T-MTT Nov 88* 1488-1497
- Gurel, L., and W. C. Chew. Guidance or resonance conditions for strips or disks embedded in homogeneous and layered media; *T-MTT Nov 88* 1498-1506
- Gutierrez, R. H., see Laura, P. A. A., *T-MTT May 85* 437
- Gutmann, R. J., D. J. Fryklund, and D. Menzer. Characterization and design of GaAs MESFETs for broadband control applications; *MWSYM 86* 389-392
- Gutmann, R. J., J. M. Borrego, P. Chakrabarti, and M.-S. Wang. Microwave scanning microscopy for planar structure diagnostics; *MWSYM 87 Vol. 1* 281-284
- Gutmann, R. J., and D. J. Fryklund. Characterization of linear and nonlinear properties of GaAs MESFETs for broad-band control applications; *T-MTT May 87* 516-521
- Gutmann, R. J., see Yun, Y.-H., *MWSYM 88 Vol. 2* 997-1000
- Guy, A. W., C.-K. Chou, and B. Neuhaus. Average SAR and SAR distributions in human exposed to 450-MHz radiofrequency radiation; *T-MTT Aug 84* 752-763
- Guy, A. W., see Lai, H., *T-MTT Aug 84* 882-887
- Guy, A. W. History of biological effects and medical applications of microwave energy; *T-MTT Sep 84* 1182-1200
- Guy, A. W., C.-K. Chou, and K. H. Luk. 915-MHz phased-array system for treating tumors in cylindrical structures; *T-MTT May 86* 502-507
- Guy, A. W., and C.-K. Chou. Specific absorption rates of energy in man models exposed to cellular UHF mobile-antenna fields; *T-MTT Jun 86* 671-680
- Guy, A. W., C.-K. Chou, J. A. McDougall, and C. Sorensen. Measurement of shielding effectiveness of microwave-protective suits; *T-MTT Nov 87* 984-994
- Guy, A. W., see Chou, C.-K., *T-MTT Nov 87* 995-1001
- Gwarek, W. K. Analysis of an arbitrarily-shaped planar circuit—A time-domain approach; *T-MTT Oct 85* 1067-1072
- Gwarek, W. K. Comments, with reply, on 'On the relationship between TLM and finite-difference methods for Maxwell's equations' by P. B. Johns (Original paper, Jan 87 60-61); *T-MTT Sep 87* 872-873
- Gwarek, W. K. Computer-aided analysis of arbitrarily shaped coaxial discontinuities; *T-MTT Feb 88* 337-342
- Gwarek, W. K. Analysis of arbitrarily shaped two-dimensional microwave circuits by finite-difference time-domain method; *T-MTT Apr 88* 738-744
- H
- Hackett, L. H., see Mishra, U. K., *CORNEL 87* Paper 23
- Haddad, G. I., see Mains, R. K., *T-MTT Nov 81* 1154-1160
- Haddad, G. I., see Mains, R. K., *T-MTT Feb 84* 208-212
- Haddad, G. I., see El-Gabaly, M. A., *T-MTT Oct 84* 1342-1352
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- Hadjicostas, G., M. W. Scott, and J. K. Butler. Optically controlled millimeter wave phase shifter in a metallic waveguide; *MWSYM 87 Vol. 2* 657-660
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- Hagihara, E., H. Ogawa, N. Imai, and M. Akaike. A 26-GHz miniaturized MIC transmitter/receiver; *T-MTT Mar 82* 235-242
- Hagihara, E., M. Akaike, and K. Yamamoto. Broad-band bias-current-tuned IMPATT oscillator for 100-200 GHz; *T-MTT Nov 82* 1927-1933
- Hagio, M., see Kanazawa, K., *T-MTT Dec 88* 1908-1912
- Hagmann, M. J., J. I. Chatterjee, and O. P. Gandhi. Dependence of electromagnetic energy deposition upon angle of incidence for an inhomogeneous block model of man under plane-wave irradiation; *T-MTT Mar 81* 252-255
- Hagmann, M. J., see Chatterjee, I., *T-MTT Nov 81* 1235-1238. Correction, May 82 838
- Hagmann, M. J., and O. P. Gandhi. Substitution method for swept-frequency measurements of dielectric properties at microwave frequencies (Short p.); *T-MTT Jan 82* 103-106
- Hagmann, M. J., see Riaz, A., *T-MTT Nov 82* 1996-1998
- Hagmann, M. J., see Chatterjee, I., *T-MTT Nov 82* 2000-2005
- Hagmann, M. J., see Ghodgaonkar, D. K., *T-MTT Jun 83* 442-446
- Hagmann, M. J., see DeFord, J. F., *T-MTT Oct 83* 848-851
- Hagmann, M. J. Propagation on a sheath helix in a coaxially layered lossy dielectric medium (Short p.); *T-MTT Jan 84* 122-126
- Hagmann, M. J. Comments, with reply, on 'EM local heating with HF electric fields' by M. Hessary and K.-M. Chen (Original paper, Jun 84 569-576); *T-MTT Feb 85* 171
- Hagmann, M. J. Comments on 'Limitations of the cubical block model of man in calculating SAR distributions' by H. Massoudi, et al. (Original paper, Aug 84 746-752); *T-MTT Apr 85* 347-350
- Hagmann, M. J., and R. L. Levin. Convergence of local and average values in three-dimensional moment-method solutions (Short p.); *T-MTT Jul 85* 649-654
- Hagmann, M. J., see Guerquin-Kern, J. L., *MWSYM 86* 775-778
- Hagmann, M. J., and R. L. Levin. Accuracy of block models for evaluation of the deposition of energy by electromagnetic fields; *T-MTT Jun 86* 653-659
- Hagmann, M. J. Comments, with reply, on 'A procedure for calculating fields inside arbitrarily shaped, inhomogeneous dielectric bodies using linear basis functions with the moment method' by C.-T. Tsai, et al. (Original paper, Nov 86 1131-1139); *T-MTT Aug 87* 785-786
- Hagmann, M. J. Optimization of helical coil applicators for hyperthermia (Short p.); *T-MTT Jan 88* 148-150
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- Halladay, R. H., see Pavio, A. M., *MWSYM 88 Vol. 1* 503-504
- Halladay, R. H., A. M. Pavio, S. D. Bingham, and A. Kikel. A monolithic channelized preselector for EW receiver applications; *MWSYM 88 Vol. 2* 573-576
- Halladay, R. H., see Pavio, A. M., *T-MTT Dec 88* 1948-1957
- Hallford, B. R. Investigation of a single-sideband mixer anomaly; *T-MTT Dec 83* 1030-1038
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- Hammer, J. M., and C. C. Neil. Observations and theory of high-power butt coupling to LiNbO₃-type waveguides; *T-MTT Oct 82* 1739-1746
- Hand, J. W., J. L. Cheetham, and A. J. Hind. Absorbed power distributions from coherent microwave arrays for localized hyperthermia; *T-MTT May 86* 484-489
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- Hanna, V. F., and D. Thebault. Theoretical and experimental investigation of asymmetric coplanar waveguides (Short p.); *T-MTT Dec 84* 1649-1651
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- Hanna, V. F., and J. Jumeau. A wide-band 12-GHz 12-way planar power divider/combiner (Short p.); *T-MTT Aug 86* 896-897
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- Hannah, J. M., see Darby, B. J., *T-MTT May 81* 456-463
- Hano, K., H. Kohriyama, and K.-i. Sawamoto. A direct-coupled $\lambda/4$ -coaxial resonator bandpass filter for land mobile communications; *T-MTT Sep 86* 972-976
- Hano, K. TE - TM mode conversion of an optical beam wave in thin-film optical waveguides (Short p.); *T-MTT Apr 88* 783-785
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- Hansen, J. P. A system for performing ultra high resolution backscatter measurements of splashes; *MWSYM 86* 633-636
- Hansen, R. C., and W. T. Pawlewicz. Effective conductivity and microwave reflectivity of thin metallic films; *T-MTT Nov 82* 2064-2066
- Hansson, E. R. B., S. Aditya, and M. A. Larsson. Planar meanderline ferrite-dielectric phase shifter; *T-MTT Mar 81* 209-215
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- Hara, S., T. Tokumitsu, T. Tanaka, and M. Aikawa. Broad band monolithic microwave active inductor and application to a miniaturized wide band amplifier; *MCS 88* 117-120
- Hara, S., T. Tokumitsu, T. Tanaka, and M. Aikawa. Broad band monolithic microwave active inductor and application to a miniaturized wide band amplifier; *MWSYM 88 Vol. 1* 107-110
- Hara, S., T. Tokumitsu, T. Tanaka, and M. Aikawa. Broad-band monolithic microwave active inductor and its application to miniaturized wide-band amplifiers; *T-MTT Dec 88* 1920-1924
- Harada, K., see Miyagi, M., *T-MTT May 84* 513-521
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- Harrison, G. R., S. B. Thompson, J. T. Vaughn, and G. P. Rodrigue. Impact of dielectric loss tangent on the performance of millimeter wave ferrite circulators; *MWSYM 87 Vol. 2* 989-991
- Harrison, R. G., and G. A. Kalivas. A two-frequency method for impedance measurement in microwave frequency-halving networks; *MWSYM 84* 178-180
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- Harvey, A. R., F. J. Cotton, D. C. Pennington, R. M. Eaton, and P. D. Cooper. A low noise GaAs MMIC satellite downconverter for the 6 to 4 GHz band; *MCS 87* 139-142
- Harvey, A. R., F. J. Cotton, D. C. Pennington, R. M. Eaton, and P. D. Cooper. A low noise GaAs MMIC satellite downconverter for the 6 to 4 GHz band; *MWSYM 87 Vol. 1* 233-236
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- Hashimoto, M. A rigorous solution for dispersive microstrip; *T-MTT Nov 85* 1131-1137
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- Hasnain, G., A. Dienes, and J. R. Whinnery. Dispersion of picosecond pulses in coplanar transmission lines (Short p.); *T-MTT Jun 86* 738-741
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- Hayama, N., S. R. LeSage, M. Madhian, and K. Honjo. A low-noise Ku-band AlGaAs/GaAs HBT oscillator; *MWSYM 88 Vol. 2* 679-682
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- Hayashi, K., T. Sonoda, T. Yamaguchi, K. Nagahama, M. Yamanouchi, S. Takamiya, and S. Mitsui. Reliability of super low noise HEMTs; *MWSYM 87 Vol. 2* 1023-1026
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- Hayata, K., K. Miura, and M. Koshiba. Finite element formulation for lossy waveguides; *T-MTT Feb 88* 268-276
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- Haydl, W. H., W. Sander, and W.-D. Wirth. Precision SAW filters for a large phased-array radar system; *T-MTT May 81* 414-419
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- Haynes, J. T., M. S. Buchalter, R. A. Moore, H. L. Salvo, S. G. Shepherd, and B. R. McAvoy. Stable microwave source using high overtone bulk resonators; *MWSYM 85* 243-246
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- Hegazi, G. M., A. Jelenski, and K. S. Yngvesson. Limitations of microwave and millimeter-wave mixers due to excess noise; *T-MTT Dec 85* 1404-1409
- Hegazi, G. M., H.-L. A. Hung, F. R. Phelless, L. B. Holdeman, A. B. Cornfeld, T. Smith, J. F. Allison, and H. Huang. V-band monolithic power MESFET amplifiers; *MWSYM 88 Vol. 1* 409-412
- Hegazi, G. M., see Hung, H.-L. A., *T-MTT Dec 88* 1966-1975
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- Heinrich, W., and H. L. Hartnagel. Wave propagation on MESFET electrodes and its influence on transistor gain; *T-MTT Jun 87* 1-8
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- Helszajn, J., see Lyon, R. W., *T-MTT Nov 82* 1964-1974
- Helszajn, J., and J. Sharp. Resonant frequencies, Q-factor, and susceptance slope parameter of waveguide circulators using weakly magnetized open resonators; *T-MTT Jun 83* 434-441
- Helszajn, J. Complex gyrator circuits of planar circulators using higher order modes in a disk resonator; *T-MTT Nov 83* 931-938
- Helszajn, J. Design of waveguide circulators with Chebyshev characteristics using partial-height ferrite resonators; *T-MTT Aug 84* 908-917

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- Helszajn, J. Synthesis of quarter-wave coupled junction circulators with degrees 1 and 2 complex gyrator circuits; *T-MTT May 85* 382-390
- Helszajn, J. Complex gyrator circuit of an evanescent-mode *E*-plane junction circulator using *H*-plane turnstile resonators; *T-MTT Sep 87* 797-806
- Henaff, J., and P. C. Brossard. Implementation of satellite communication systems using surface acoustic waves; *T-MTT May 81* 439-450
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- Herczfelf, P. R., A. S. Daryoush, V. M. Contarino, A. Rosen, Z. Turski, and A. P. S. Khana. Optically controlled microwave devices and circuits; *MWSYM 85* 211-214
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- Herczfelf, P. R., A. S. Daryoush, M. Kieli, S. Siegel, and R. Soref. Wide-band true time delay phase shifter devices; *MWSYM 87 Vol. 2* 603-606
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- Herczfelf, P. R., see Kim, A., *MWSYM 88 Vol. 2* 1071-1074
- Hernández-Gil, F., and J. Pérez. Analysis of the coupling coefficient between a cylindrical dielectric resonator and a fin-line; *MWSYM 86* 221-224
- Hernández-Gil, F., R. Pérez-Leal, and A. Gebauer. Resonant frequency stability analysis of dielectric resonators with tuning mechanisms; *MWSYM 87 Vol. 1* 345-348
- Herrick, G. C., see Barta, G. S., *MCS 86* 75-79
- Herrick, G. C., see Barta, G. S., *T-MTT Dec 86* 1569-1575
- Hersman, M. S., and G. A. Poe. Sensitivity of the total power radiometer with periodic absolute calibration; *T-MTT Jan 81* 32-40
- Herstein, D. A novel technique for evaluation and integration of connectorless (drop-in) microwave components; *MWSYM 87 Vol. 2* 613-616
- Hess, R. D., see Niehenke, E. C., *T-MTT Dec 82* 2194-2200
- Hessary, M. K., and K.-M. Chen. EM local heating with HF electric fields, *T-MTT Jun 84* 569-576.
- Comments, with reply, by Hagmann, M. J., *Feb 85* 171
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- Heston, D. D., see Seymour, D. J., *MCS 87* 35-37
- Heston, D. D., and R. E. Lehmann. *X*-band monolithic variable gain series feedback LNA; *MCS 88* 79-81
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- Hickernell, F. S., see Dutta, S., *T-MTT Apr 82* 646-652
- Hickman, T. R., see Lagakos, N., *T-MTT Oct 82* 1621-1626
- Hicks, R. G., and P. J. Khan. Numerical analysis of nonlinear solid-state device excitation in microwave circuits; *T-MTT Mar 82* 251-259
- Hicks, R. G., and P. J. Khan. Improved waveguide diode mount circuit model using post equivalence factor analysis; *T-MTT Nov 82* 1914-1920
- Hicks, R. G., and P. J. Khan. Numerical analysis of subharmonic mixers using accurate and approximate models; *T-MTT Dec 82* 2113-2119
- Hida, H., see Ohata, K., *MWSYM 84* 434-436
- Hietala, V. M., see Kwon, Y. R., *T-MTT Jun 87* 545-551
- Higashi, T., and T. Makino. Resonant frequency stability of the dielectric resonator on a dielectric substrate; *T-MTT Oct 81* 1048-1052
- Higashisaka, A., and T. Mizuta. 20-GHz band monolithic GaAs FET low-noise amplifier; *T-MTT Jan 81* 1-6
- Higgins, J. A., see Gupta, A. K., *MCS 85* 50-53
- Higgins, J. A., see Asbeck, P. M., *MCS 87* 1-5
- Higgins, J. A., see Asbeck, P. M., *T-MTT Dec 87* 1462-1470
- Hikita, M., H. Kojima, T. Tabuchi, and Y. Kinoshita. 800-MHz high-performance SAW filter using new resonant configuration; *T-MTT Jun 85* 510-518
- Hikita, M., Y. Ishida, T. Tabuchi, H. Kojima, and K. Kurosawa. Miniature SAW antenna duplexer for portable telephone; *MWSYM 87 Vol. 2* 797-800
- Hikita, M., Y. Ishida, T. Tabuchi, and K. Kurosawa. Miniature SAW antenna duplexer for 800-MHz portable telephone used in cellular radio systems; *T-MTT Jun 88* 1047-1056
- Hill, A., see Tripathi, V. K., *T-MTT Feb 88* 256-262
- Hill, A. J., P. H. Ladbrooke, S. Ransome, and D. Westwood. Large signal modelling and practical performance of inverted HEMT; *CORNEL 85* 128-135
- Hill, D. A. Waveguide technique for the calibration of miniature implantable electric-field probes for use in microwave-bioeffects studies; *T-MTT Jan 82* 92-99
- Hill, D. A. Human whole-body radiofrequency absorption studies using a TEM-cell exposure system; *T-MTT Nov 82* 1847-1854
- Hill, D. A. Effect of separation from ground on human whole-body RF absorption rates; *T-MTT Aug 84* 772-778
- Hill, D. W., see Riaz, A., *T-MTT Nov 82* 1996-1998
- Hill, G. N., see Rucker, C. T., *T-MTT Dec 81* 1266-1271
- Hill, J. C., and R. B. Goldner. A stabilized broadband correlator for medical microwave thermography; *MWSYM 84* 368-370
- Hill, J. C., and R. B. Goldner. The thermal and spatial resolution of a broad-band correlation radiometer with application to medical microwave thermography (Short p.); *T-MTT Aug 85* 718-722
- Hill, P., see Olshansky, R., *MWSYM 88 Vol. 2* 901-903
- Hiller, G., see Caverly, R. H., *MWSYM 87 Vol. 2* 591-594
- Hiller, G., see Caverly, R. H., *T-MTT May 87* 492-501
- Hind, A. J., see Hand, J. W., *T-MTT May 86* 484-489
- Hines, M. E. Inherent signal losses in resistive-diode mixers; *T-MTT Apr 81* 281-292
- Hines, M. E. The virtues of nonlinearity—Detection, frequency conversion, parametric amplification and harmonic generation; *T-MTT Sep 84* 1097-1104
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- Hinken, J. H., see Schiebllich, C., *T-MTT Dec 84* 1638-1645
- Hirachi, Y., Y. Takeuchi, M. Igarashi, K. Kosemura, and S. Yamamoto. A packaged 20-GHz 1-W GaAs MESFET with a novel via-hole plated heat sink structure; *T-MTT Mar 84* 309-316
- Hirachi, Y., see Asai, S., *MWSYM 87 Vol. 2* 1019-1022
- Hirahata, T., see Yamashita, E., *T-MTT Jun 81* 610-611
- Hirai, K., H. Takamatsu, S. Morikawa, and N. Tomita. 5-GHz 20-watt GaAs FET amplifier for MLS; *MWSYM 86* 447-450
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- Hirota, K., see Kawamoto, K., *MWSYM 85* 689-692
- Hirota, T., and H. Ogawa. A novel *K*-band balanced FET up-converter; *T-MTT Jul 84* 679-683
- Hirota, T., see Ogawa, H., *T-MTT Nov 85* 1155-1164
- Hirota, T., H. Ogawa, Y. Tarusawa, and K. Owada. Planar MMIC hybrid circuit and frequency converter; *MCS 86* 103-105
- Hirota, T., see Ogawa, H., *MWSYM 87 Vol. 1* 181-184
- Hirota, T., Y. Tarusawa, and H. Ogawa. Uniplanar MMIC hybrids—A proposed new MMIC structure; *T-MTT Jun 87* 576-581
- Hirota, T., see Tarusawa, Y., *T-MTT Sep 87* 819-822
- Hirota, T., see Muraguchi, M., *MCS 88* 75-78
- Hirota, T., see Muraguchi, M., *T-MTT Dec 88* 1896-1901
- Hirsch, V. A., and T. H. Miers. A new automated noise and gain parameter measurement system; *MWSYM 87 Vol. 1* 517-520
- Hirsh, I., see Kopeika, N. S., *T-MTT Oct 84* 1384-1387
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- Ho, C., see Agarwal, K. K., *T-MTT Dec 87* 1328-1333
- Ho, C., see Kandpal, P. C., *MWSYM 88 Vol. 2* 609-612
- Ho, C., and P. C. Kandpal. A broadband down converter for 4- and 6-GHz radio systems; *MWSYM 88 Vol. 2* 937-940
- Ho, P., see Ramachandran, R., *MCS 87* 31-34
- Ho, P., see Ramachandran, R., *T-MTT Dec 87* 1471-1476
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- Ho, T. Q., and Y.-C. Shih. Analysis of microstrip line to waveguide end launchers; *T-MTT Mar 88* 561-567
- Hoblet, A., see Levy, D., *MWSYM 86* 503-506
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- Hoefler, W. J. R., see Sharma, A. K., *T-MTT May 82* 825-828
- Hoefler, W. J. R., and M. N. Burton. Closed-form expressions for the parameters of finned and ridged waveguides; *T-MTT Dec 82* 2190-2194
- Hoefler, W. J. R., see Sharma, A. K., *T-MTT Apr 83* 350-356
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- Hoefler, W. J. R., see Vahldieck, R., *MWSYM 85* 143-144
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- Hoefler, W. J. R. The transmission-line matrix method—Theory and applications, *T-MTT Oct 85* 882-893
- Hoefler, W. J. R., see Vahldieck, R., *T-MTT Dec 85* 1333-1339
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- Hoefler, W. J. R., see Ney, M. M., *T-MTT May 87* 502-509
- Hoefler, W. J. R., see So, P., *MWSYM 88 Vol. 1* 335-338
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- Hoefler, W. J. R., see Meszaros, S., *MWSYM 88 Vol. 2* 815-818
- Hoefler, W. J. R., see Ney, M. M., *T-MTT Oct 88* 1448-1451
- Hoer, C. A. A high power dual six-port automatic network analyzer used in determining biological effects of RF and microwave radiation; *T-MTT Dec 81* 1356-1364
- Hoer, C. A. Choosing line lengths for calibrating network analyzers (Short p.); *T-MTT Jun 83* 76-78
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- Hoer, C. A., see Juroshek, J. R., *T-MTT Aug 84* 818-824
- Hoer, C. A., see Juroshek, J. R., *T-MTT Jun 85* 453-459
- Hoer, C. A., and G. F. Engen. Calibrating a dual six-port or four-port for measuring two-ports with any connectors; *MWSYM 86* 665-668
- Hoffan, E., see Lan, G., *MWSYM 86* 83-86
- Hoffmann, R. Comments on 'Self-adjoint vector variational formulation for lossy anisotropic dielectric waveguide' by S. R. Cvetkovic and J. B. Davies (Original paper, Jan 86 129-134); *T-MTT Nov 86* 1227-1228

- Hoffmann, R. K., and J. Siegl. Microstrip - slot coupler design—I: S-parameters of uncompensated and compensated couplers; *T-MTT Aug 82* 1205-1210
- Hoffmann, R. K., and J. Siegl. Microstrip - slot coupler design—II: Practical design aspects; *T-MTT Aug 82* 1211-1216
- Hofmann, H., see Schmidt, L. P., *T-MTT Apr 81* 352-355
- Hoghe, S., T. Andrade, H. Sun, and C. Huang. A manufacturable GaAs MMIC amplifier with 10 GHz bandwidth; *MCS 84* 37-40
- Hohenwarter, G. K., see Beyer, J. B., *T-MTT Mar 84* 268-275
- Hoke, W. E., see Wang, N.-L., *MCS 88* 59-62
- Hoke, W. E., see Wang, N.-L., *T-MTT Dec 88* 1942-1947
- Holdeman, L. B., see Hung, H.-L. A., *MCS 87* 97-100
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- Hollis, M. A., see Nichols, K. B., *CORNEL 87* Paper 37
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- Holloway, A. L. Generalized microstrip on a dielectric sheet; *T-MTT Jun 88* 939-951
- Holme, S. C. A 12 GHz 12 channel contiguous multiplexer for satellite applications; *MWSYM 84* 295-296
- Holme, S. C., V. E. Dunn, and V. Jamnejad. A compact seven-way power divider for satellite beam forming networks; *MWSYM 88 Vol. 2* 665-668
- Holmes, D. E., R. T. Chen, K. R. Elliott, C. G. Kirkpatrick, and P. W. Yu. Compensation mechanism in liquid encapsulated Czochralski GaAs: Importance of melt stoichiometry; *T-MTT Jul 82* 949-955
- Holpp, W. Hybrid HEM_{11p}-mode dielectric resonators for filter applications at short millimeter wavelengths; *MWSYM 88 Vol. 2* 793-796
- Holway, L. H., Jr., and S. L. G. Chu. Broad-band characteristics of EHF IMPATT diodes; *T-MTT Nov 82* 1933-1939
- Holway, L. H., Jr., and S. L. G. Chu. Theory and measurement of back bias voltage in IMPATT diodes; *T-MTT Nov 82* 916-922.
- Comments, with reply, by Tiwari, S. C., *Jan 85* 72-74
- Holzman, E. L., see Robertson, R. S., *MWSYM 88 Vol. 2* 1027-1030
- Homentcovschi, D., A. Manolescu, A. M. Manolescu, and L. Kreindler. An analytical solution for the coupled stripline-like microstrip line problem; *T-MTT Jun 88* 1002-1007
- Hong, W. P., see Seo, K., *CORNEL 85* 102-110
- Hongo, K., and M. Takahashi. Evaluation of the integrals occurring in the study of circular microstrip disk (Short p.); *T-MTT Aug 82* 1279-1282
- Hongo, K., see Takahashi, M., *T-MTT Nov 82* 1881-1888
- Honjo, K., and Y. Takayama. A 25-W 5-GHz GaAs FET amplifier for a microwave landing system; *T-MTT Jun 81* 579-582
- Honjo, K., and Y. Takayama. GaAs FET ultrabroad-band amplifiers for Gbit/s data rate systems; *T-MTT Jul 81* 629-635
- Honjo, K., T. Sugiura, and H. Itoh. Ultra-broad-band GaAs monolithic amplifier; *T-MTT Jul 82* 1027-1033
- Honjo, K., T. Sugiura, T. Tsuji, and T. Ozawa. Low-noise, low power dissipation GaAs monolithic broad-band amplifiers (Short p.); *T-MTT May 83* 412-417
- Honjo, K. On temperature characteristics for a GaAs monolithic broad-band amplifier having resistive loads (Short p.); *T-MTT May 84* 552-553
- Honjo, K., see Sugiura, T., *T-MTT Feb 85* 105-110
- Honjo, K., Y. Hosono, and T. Sugiura. X-band low-noise GaAs monolithic frequency converter (Short p.); *T-MTT Nov 85* 1231-1235
- Honjo, K., and M. Madhian. Novel design approach for X-band GaAs monolithic analog 1/4 frequency divider; *T-MTT Apr 86* 436-441
- Honjo, K., see Madhian, M., *T-MTT Jun 86* 707-713
- Honjo, K., see Hayama, N., *MWSYM 88 Vol. 2* 679-682
- Honma, K., see Mochizuki, T., *MWSYM 85* 543-546
- Hoppin, W. W., S. C. Cripps, and J. R. Anderson. The stackFET: An improved implementation of the dual gate FET; *MWSYM 88 Vol. 2* 915-918
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- Hord, W. E., and C. R. Boyd, Jr. Simultaneous dual-polarization ferrite phase shifter; *MWSYM 86* 727-730
- Hord, W. E., C. R. Boyd, Jr., and D. Diaz. A new type of fast switching dual-mode ferrite phase shifter; *MWSYM 87 Vol. 2* 985-988
- Hord, W. E., C. R. Boyd, Jr., and D. Diaz. A new type of fast-switching dual-mode ferrite phase shifter; *T-MTT Dec 87* 1219-1225
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- Hori, S., see Yamada, Y., *MWSYM 88 Vol. 2* 847-850
- Hori, T., and T. Itanami. Circularly polarized linear array antenna using a dielectric image line; *T-MTT Sep 81* 967-970
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- Horine, B. H. SAW resonator filters: Applications and capabilities; *MWSYM 85* 247-250
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- Horn, R. E., H. Jacobs, K. L. Kohn, and E. Freibergs. Single-frequency electronic-modulated analog line scanning using a dielectric antenna (Short p.); *T-MTT May 82* 816-820
- Horn, R. E., H. Jacobs, and E. Freibergs. Integrated tunable cavity Gunn oscillator for 60-GHz operation in image line waveguide; *T-MTT Feb 84* 171-176
- Horn, R. E., H. Jacobs, and E. Freibergs. Millimeter-wave oscillators using image-line or microstrip waveguides (Short p.); *T-MTT Feb 86* 285-288
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- Hornbuckle, D. P. Foreword to special section on selected papers from 1987 Microwave and Millimeter-Wave Monolithic Circuits Symposium; *T-MTT Dec 87* 1461
- Hornig, J. S., see Lee, C. L., *T-MTT Nov 83* 890-897
- Horno, M. Quasistatic characteristics of covered coupled microstrips on anisotropic substrates: Spectral and variational analysis, *T-MTT Nov 82* 1888-1892
- Horno, M., and R. Marqués. Coupled microstrips on double anisotropic layers (Short p.); *T-MTT Apr 84* 467-470
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- Horno, M., see Marqués, R., *T-MTT Oct 85* 927-932.
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- Horno, M., and F. Medina. Multilayer planar structures for high directivity directional coupler design; *MWSYM 86* 283-286
- Horno, M., and F. Medina. Accurate approach for computing quasi-static parameters of symmetrical broadside-coupled microstrips in multilayered anisotropic dielectrics (Short p.); *T-MTT Jun 86* 729-733
- Horno, M., and F. Medina. Multilayer planar structures for high-directivity directional coupler design; *T-MTT Dec 86* 1442-1449
- Horno, M., see Medina, F., *T-MTT Nov 87* 1002-1008
- Horton, J. B. Microwave systems—1983; *T-MTT Oct 84* 1377-1378. Correction, *Apr 85* 351
- Horton, J. B., Guest Ed. Foreword to special issue on new and future applications of microwave systems; *T-MTT Oct 86* 993
- Horton, M. C. Quasi-lowpass, quasi-elliptic symmetric filter; *MWSYM 87 Vol. 1* 129-132
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- Hosaka, T., see Okamoto, K., *T-MTT Apr 82* 342-349
- Hosaka, T., K. Okamoto, and J. Noda. Single-mode fiber-type polarizer; *T-MTT Oct 82* 1557-1560
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- Hoshikawa, K., see Takada, T., *T-MTT Dec 85* 1579-1584
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- Hosono, Y., see Honjo, K., *T-MTT Nov 85* 1231-1235
- Hosono, Y., H. Sato, Y. Mima, S. Ichikawa, H. Hirayama, K. Katsukawa, K. Ueda, K. Uetake, T. Noguchi, and H. Kohzu. Stability and reliability investigation on fully ECL compatible high speed GaAs logic ICs; *MCS 87* 49-52
- Hoss, W., see Williams, W. M., *T-MTT Aug 84* 808-818
- Houston, P. A., see Schuitemaker, P., *CORNEL 85* 45-51
- Howard, G. C. W., see Sathiaselvan, V., *T-MTT May 86* 514-519
- Howard, J. Comments, with reply, on 'An evanescent mode waveguide bandpass filter at Q-band' by N. P. Akers and P. D. Allan (Original paper, Nov 84 1487-1489); *T-MTT Jun 85* 555-556
- Howard, R. E., see Furuya, K., *T-MTT Oct 82* 1771-1777
- Howard, R. J., see Wilson, W. J., *MWSYM 86* 311-313
- Howard, R. J., see Wilson, W. J., *T-MTT Oct 86* 1026-1035
- Howard, T. S., and A. M. Pavio. A distributed 1 - 12 GHz dual-gate FET mixer; *MWSYM 86* 329-332
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- Howard, T. S., and A. M. Pavio. A distributed monolithic 2 - 18 GHz dual-gate FET mixer; *MCS 87* 27-30
- Howe, H., Jr., see Friend, A. W., *T-MTT Dec 81* 1271-1277
- Howe, H., Jr. Microwave integrated circuits—An historical perspective; *T-MTT Sep 84* 991-996
- Howes, M. J., see Esdale, D. J., *T-MTT Aug 81* 770-776
- Howes, M. J., see Jefford, P. A., *T-MTT Aug 83* 613-624
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- Hsiang, T. Y., see Whitaker, J. F., *T-MTT Feb 88* 277-285
- Hsieh, E., see Yonaki, J., *MCS 88* 91-94
- Hsu, C.-I. G., and H. Auda. Multiple dielectric posts in a rectangular waveguide; *T-MTT Aug 86* 883-891
- Hsu, C.-I. G., and H. Auda. On the realizability of the impedance matrix for lossy dielectric posts in a rectangular waveguide (Short p.); *T-MTT Apr 88* 763-765
- Hsu, C.-I. G., see Mautz, J. R., *T-MTT Aug 88* 1293-1295
- Hsu, J.-P., T. Anada, and H. Eriguchi. Proposal of surface-wave planar circuit formulation of its planar circuit equations and its practical application; *MWSYM 86* 797-800
- Hsu, J.-P., see Anada, T., *MWSYM 87 Vol. 1* 207-210
- Hsu, T.-I., see Oliner, A. A., *T-MTT Sep 81* 855-869
- Hsu, T.-I., and M. D. Simonutti. A wideband 60 GHz 16-way power divider/combiner network; *MWSYM 84* 175-177
- Hu, C.-L. J. Microwave automatic impedance measuring schemes using three fixed probes; *T-MTT Sep 83* 756-762. Correction, *Feb 84* 219
- Hu, E. L., see Yuen, A. T., *CORNEL 87* Paper 21
- Hu, Y., J.-C. Mollier, and J. Obregon. A new method of third-order intermodulation reduction in nonlinear microwave systems; *T-MTT Feb 86* 245-250
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- Huang, C. I., M. E. Cheney, J. E. Scheiing, J. O. Crist, C. E. Stutz, R. L. Jones, K. R. Evans, C. A. Bozada, and M. J. Paulus. A study of GaAs inversion-base bipolar transistor; *CORNEL 87* Paper 35
- Huang, C. I., K. Ikossi-Anastasiou, M. J. Paulus, C. E. Stutz, R. L. Jones, K. R. Evans, and C. A. Bozada. Temperature effects on AlGaAs/GaAs double barrier diodes with high peak-to-valley current ratio; *CORNEL 87* Paper 42
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- Huang, H.-C., see Hung, H.-L. A., *T-MTT Dec 88* 1966-1975
- Huang, H. S., H.-C. Chang, and J.-S. Wu. Power transfer between single-mode and multimode optical fibers; *MWSYM 86* 519-522
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- Huang, Z.-Q. U-band shield suspended-stripline (SSL) Gunn DRO and VCO; *MWSYM 88 Vol. 2* 807-810
- Huang, Z.-Q., and Q.-R. Yang. U-band shield suspended-stripline Gunn DRO and VCO; *T-MTT Dec 88* 1685-1694
- Hubbell, S., and D. J. Angelakos. A technique for measuring the effective dielectric constant of a microstrip line; *T-MTT Aug 83* 687-688
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- Hung, H.-L. A., A. Ezzeddine, L. B. Holdeman, F. R. Phelleps, J. F. Allison, A. B. Cornfeld, T. Smith, and H. C. Huang. K_a -band monolithic GaAs power FET amplifiers; *MCS 87* 97-100
- Hung, H.-L. A., A. Ezzeddine, L. B. Holdeman, F. R. Phelleps, J. F. Allison, A. B. Cornfeld, T. Smith, and H. C. Huang. K_a -band monolithic GaAs power FET amplifiers; *MWSYM 87 Vol. 1* 89-92
- Hung, H.-L. A., T. T. Lee, F. R. Phelleps, J. F. Singer, J. F. Bass, T. F. Noble, H. C. Huang, and P. Rainville. 60-GHz GaAs MMIC low-noise amplifiers; *MCS 88* 87-90
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- Hung, H.-L. A., G. M. Hegazi, T. T. Lee, F. R. Phelleps, J. L. Singer, and H. C. Huang. V-band GaAs MMIC low-noise and power amplifiers; *T-MTT Dec 88* 1966-1975
- Hunter, I. C., and J. D. Rhodes. Electronically tunable microwave bandpass filters; *T-MTT Sep 82* 1354-1360
- Hunter, I. C., and J. D. Rhodes. Electronically tunable microwave bandstop filters; *T-MTT Sep 82* 1361-1367
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- Hwang, V. D., and T. Itoh. A quasi-optical HEMT self-oscillating mixer; *MWSYM 88 Vol. 2* 1093-1096
- Hwang, V. D., T. Uwano, and T. Itoh. Quasi-optical integrated antenna and receiver front end; *T-MTT Jan 88* 80-85
- Hwang, V. D., and T. Itoh. Quasi-optical HEMT and MESFET self-oscillating mixers; *T-MTT Dec 88* 1701-1705
- Hwang, Y. C., Y. K. Chen, R. J. Naster, and D. Temme. A microwave phase and gain controller with segmented-dual-gate MESFETs in GaAs MMICs; *MCS 84* 1-5
- Hwu, R. J., C. F. Jou, W. W. Lam, U. Lieneweg, D. C. Streit, N. C. Luhmann, Jr., J. Maserjian, and D. B. Rutledge. Watt-level millimeter-wave monolithic diode-grid frequency multipliers; *MWSYM 88 Vol. 1* 533-537
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- Idda, M., T. Takada, and T. Sudo. Analysis of high-speed GaAs source-coupled FET logic circuits; *T-MTT Jan 81* 5-10
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- Ikäläinen, P. K., G. L. Matthaei, D. C. Park, and M. S. Wei. Dielectric waveguide band-pass filters with broad stop bands; *MWSYM 85* 277-280
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- Ikäläinen, P. K., and G. L. Matthaei. Narrow-band microstrip bandpass filters with low radiation losses for millimeter-wave applications; *T-MTT Mar 88* 514-521
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- Ikuno, H., and A. Yata. Uniform asymptotic technique for analyzing wave propagation in inhomogeneous slab waveguides; *T-MTT Nov 82* 1958-1963
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- Inada, R., H. Ogawa, S. Kitazume, and P. DeSantis. A compact 4-GHz linearizer for space use; *T-MTT Dec 86* 1327-1332
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- Ishikawa, H., see Abe, M., *T-MTT Jul 82* 992-998
- Ishikawa, H., H. Imai, T. Tanahashi, K.-i. Horn, and K. Takahei. V-grooved substrate buried heterostructure InGaAsP/InP laser emitting at 1.3 μm wavelength; *T-MTT Oct 82* 1692-1699

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 Ivanov, K. P., and G. N. Georgiev. On a class of electromagnetic wave functions for propagation along the circular gyrotropic waveguide; *T-MTT Aug 86* 853-862
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 Ivanov, S. A., and G. L. Djankov. Determination of the characteristic impedance by a step current density approximation (Short p.); *T-MTT Apr 84* 450-452
 Iwakuni, M., see Tokumitsu, Y., *T-MTT Feb 83* 121-128
 Iwakuni, M., M. Niori, T. Saito, T. Hamabe, H. Kurihara, K. Jyoshin, and M. Mikuni. A 20 GHz Peltier-cooled low noise HEMT amplifier; *MWSYM 85* 551-553
 Iwashita, K., and K. Nakagawa. Suppression of mode partition noise by laser diode light injection; *T-MTT Oct 82* 1657-1662
 Izadian, J., K. Irvin, R. Curby, R. Forse, and K. Van Buren. A uni-planar double-balanced mixer using a new miniature beam lead crossover quad; *MWSYM 88 Vol. 2* 691-694
 Izadnegahdar, A., see Bolomey, J.-C., *T-MTT Nov 82* 1998-2000.
 Izadnegahdar, A., see Bolomey, J.-C., *T-MTT Jun 84* 648
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- Jahkete, R., see Crowne, F., *MWSYM 87 Vol. 2* 573-574
- Jain, F. C., and R. Bansal. Monolithic antennas for millimeter wave GaAs integrated circuits; *MWSYM 84* 451-452
- Jain, F. C., R. Bansal, and C. V. Valerio, Jr. Semiconductor antenna: A new device in millimeter- and submillimeter-wave integrated circuits (Short p.); *T-MTT Feb 84* 204-208
- Jain, R. K. Electro-optic sampling of high-speed III - V devices and ICs; *CORNEL 87* Paper 6
- Jain, V. K., and V. K. Tripathi. Electromagnetic instability of a rotating electron layer in a sheath helix; *T-MTT Jun 86* 667-670
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- James, D. S., and L. Dormer. A study of high power pulsed characteristics of low-noise GaAs MESFET's; *T-MTT Dec 81* 1298-1310
- James, G. L. Analysis and design of TE₁₁-to-HE₁₁ corrugated cylindrical waveguide mode converters; *T-MTT Oct 81* 1059-1066
- James, G. L., and B. M. Thomas. TE₁₁ to HE₁₁ cylindrical waveguide mode converters using ring-loaded slots; *T-MTT Mar 82* 278-285
- James, G. L. On the problem of applying mode-matching techniques in analyzing conical waveguide discontinuities; *T-MTT Sep 83* 718-723
- James, G. L. Admittance of irises in coaxial and circular waveguides for TE₁₁-mode excitation; *T-MTT Apr 87* 430-434
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- Janaswamy, R., and D. H. Schaubert. Dispersion characteristics for wide slotlines on low-permittivity substrates (Short p.); *T-MTT Aug 85* 723-726
- Janaswamy, R., and D. H. Schaubert. Characteristic impedance of a wide slotline on low-permittivity substrates (Short p.); *T-MTT Aug 86* 900-902
- Janiczak, B. J. Multiconductor planar transmission-line structures for high-directivity coupler applications; *MWSYM 85* 215-218
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- Jansen, R. H., see Kirschning, M., *T-MTT Jan 84* 83-90
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- Jansen, R. H. A novel CAD tool and concept compatible with the requirements of multilayer GaAs MMIC technology; *MWSYM 85* 711-714
- Jansen, R. H. The spectral-domain approach for microwave integrated circuits; *T-MTT Oct 85* 1043-1056
- Jansen, R. H., see Finlay, H. J., *MWSYM 86* 267-270
- Jansen, R. H., see Koster, N. H. L., *T-MTT Feb 86* 213-223
- Jansen, R. H., see Wertgen, W., *MWSYM 88 Vol. 2* 709-712
- Jansen, R. H., R. G. Arnold, and I. G. Eddison. A comprehensive CAD approach to the design of MMIC's up to mm-wave frequencies; *T-MTT Feb 88* 208-219
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- Janton, W. M., see Rosen, A., *T-MTT Jan 82* 47-55
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- Jarem, J. M. A multifilament method-of-moments solution for the input impedance of a probe-excited semi-infinite waveguide; *T-MTT Jan 87* 14-19
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- Jean, P., V. Pauker, and P. Dauriche. Wide-band monolithic GaAs phase detector for homodyne reception; *MCS 87* 123-125
- Jean, P., V. Pauker, and P. Dauriche. Wide-band monolithic GaAs phase detector for homodyne reception; *MWSYM 87 Vol. 1* 169-171
- Jefford, P. A., and M. J. Howes. Modulation schemes in low-cost microwave field sensors; *T-MTT Aug 83* 613-624
- Jelenski, A., M. V. Schneider, A. Y. Cho, E. R. Kollberg, and H. Zirath. Noise measurements and noise mechanisms in microwave mixer diodes; *MWSYM 84* 552-554
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- Jelenski, A., see Kollberg, E. L., *T-MTT Sep 86* 913-922
- Jelenski, A., E. L. Kollberg, and H. Zirath. Broad-band noise mechanisms and noise measurements of metal - semiconductor junctions; *T-MTT Nov 86* 1193-1201
- Jelsma, L. F. Fast microwave detectors based on the interaction of holes with phonons; *T-MTT May 85* 367-372
- Jelsma, L. F. A microwave-to-optical transducer; *MWSYM 86* 527-530
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- Jenkins, J. A., see Finlay, H. J., *T-MTT Jun 88* 961-967
- Jennings, A., and R. L. Gray. Extension of Levy's large-aperture design formulas to the design of circular irises in coupled-resonator waveguide filters (Short p.); *T-MTT Nov 84* 1489-1493
- Jensen, E., and C. Schieblisch. Comments on 'Millimetric nonreciprocal coupled-slot finline components' by L. E. Davis and D. B. Sillars (Original paper, Jul 86 804-808); *T-MTT Apr 87* 470-471
- Jensen, S. M. The nonlinear coherent coupler; *T-MTT Oct 82* 1568-1571
- Jervis, B. W., see Pannell, R. M., *T-MTT Apr 81* 383-386
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- Jiao, X. H., P. Guillon, L. A. Bermúdez, and P. Auxemery. Whispering-gallery modes of dielectric structures applications to millimeter wave bandstop filter; *MWSYM 87 Vol. 1* 367-370
- Jiao, X. H., P. Guillon, L. A. Bermúdez, and P. Auxemery. Whispering-gallery modes of dielectric structures: Applications to millimeter-wave bandstop filters; *T-MTT Dec 87* 1169-1175
- Joer, J. P., R. Quere, and J. Obregon. A new N. FETs oscillator - combiner using tubular dielectric resonators; *MWSYM 86* 597-600
- Jofre, L., see Bolomey, J.-C., *T-MTT Nov 82* 1998-2000.
- Jofre, L., see Bolomey, J.-C., *T-MTT Sep 83* 777-781
- Jofre, L., see Bolomey, J.-C., *T-MTT Jun 84* 648
- Johns, P. B. On the relationship between TLM and finite-difference methods for Maxwell's equations (Short p.); *T-MTT Jan 87* 60-61.
- Comments, with reply, by Gwarek, W. K., *Sep 87* 872-873
- Johns, P. B. A symmetrical condensed node for the TLM method; *T-MTT Apr 87* 370-377
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- Johnson, H. C., R. E. Marx, A. Sanchez, and E. Mykietyn. A circularly polarized active antenna array using miniature GaAs FET amplifiers; *MWSYM 84* 260-262
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- Johnson, R. H., A. W. Preece, J. W. Hand, and J. R. James. A new type of lightweight low frequency electromagnetic hyperthermia applicator; *MWSYM 87 Vol. 1* 239-242
- Johnson, R. H., A. W. Preece, J. W. Hand, and J. R. James. A new type of lightweight low-frequency electromagnetic hyperthermia applicator; *T-MTT Dec 87* 1317-1321
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- Joines, W. T., see Zhang, Y., *T-MTT Sep 87* 858-861
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- Jones, J. R. A comparison of lightweight, microwave, and coaxial transmission technologies; *T-MTT Oct 82* 1512-1524
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- Jou, C. F., W. Lam, H. Z. Chen, K. S. Stolt, N. C. Luhmann, Jr., and D. B. Rutledge. Millimeter-wave diode-grd frequency doubler; *T-MTT Nov 88* 1507-1514
- Jouen, J. F., see Peignet, C., *MWSYM 88 Vol. 1* 417-420
- Jouvie, F., J.-C. Bolomey, and G. Gaboriaud. Discussion of capabilities of microwave phased arrays for hyperthermia treatment of neck tumors, *T-MTT May 86* 495-501
- Jow, J., M. Finzel, J. Asmussen, Jr., and M. C. Hawley. Dielectric and temperature measurements during microwave curing of epoxy in a sweeping resonant cavity; *MWSYM 87 Vol. 1* 465-468
- Jow, J., M. C. Hawley, M. Finzel, J. Asmussen, Jr., H.-H. Lin, and B. Manring. Microwave processing and diagnosis of chemically reacting materials in a single-mode cavity applicator; *T-MTT Dec 87* 1435-1443
- Juang, F.-Y., U. Das, Y. Nashimoto, and P. K. Bhattacharya. GaAs - Al_xGa_{1-x}As superlattice avalanche photodiode: Ionization coefficients and performance characteristics; *CORNEL 85* 360-369
- Judah, S. K., and A. S. Wright. A second generation dual six-port network analyzer; *MWSYM 88 Vol. 1* 295-296
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- Jungerman, R. L., see Tan, T. S., *MWSYM 88 Vol. 2* 1067-1070
- Juroshek, J. R., and C. A. Hoer. A dual six-port network analyzer using diode detectors; *T-MTT Jan 84* 78-82
- Juroshek, J. R., and C. A. Hoer. A high-power automatic network analyzer for measuring the RF power absorbed by biological samples in a TEM cell; *T-MTT Aug 84* 818-824
- Juroshek, J. R., and C. A. Hoer. A technique for extending the dynamic range of the dual six-port network analyzer; *T-MTT Jun 85* 453-459
- Juroshek, J. R. A study of measurements of connector repeatability using highly reflecting loads (Short p.); *T-MTT Apr 87* 457-460
- Jyoshin, K., see Iwakuni, M., *MWSYM 85* 551-553

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- Kadowaki, Y., S. Igi, M. Wataze, T. Sonoda, K. Hayashi, M. Yamanouchi, S. Takamiya, and S. Mitsui. A 6 watt power GaAs FET for 14.0 - 14.5 GHz band; *MWSYM* 87 Vol. 2 845-847
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Comments, with reply, by Morita, N., *Apr* 85 346-347
- Kagiwada, R. S., see Lau, K. F., *MWSYM* 84 80-82
- Kagiwada, R. S., *Chmn.* Foreword to special section on the 1988 Monolithic Microwave Integrated Circuits Symposium; *T-MTT Dec* 88 1895
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- Kajfez, D., A. W. Glisson, and J. James. Computed modal field distributions of isolated dielectric resonators; *MWSYM* 84 193-195
- Kajfez, D., and E. J. Hwan. *Q*-factor measurement with network analyzer; *T-MTT Jul* 84 666-670
- Kajfez, D. Incremental frequency rule for computing the *Q*-factor of a shielded TE_{0np} dielectric resonator (Short p.); *T-MTT Aug* 84 941-943
- Kajfez, D., A. W. Glisson, and J. James. Computed modal field distributions for isolated dielectric resonators; *T-MTT Dec* 84 1609-1616
- Kajfez, D., see Wheelless, W. P., Jr., *MWSYM* 85 473-476
- Kajfez, D., and E. J. Hwan. Linearity limits of the varactor-controlled osc - mod circuits; *T-MTT Jul* 85 620-625
- Kajfez, D., see Wheelless, W. P., Jr., *MWSYM* 86 681-684
- Kajfez, D., and W. P. Wheelless, Jr. Invariant definitions of the unloaded *Q* factor (Short p.); *T-MTT Jul* 86 840-841
- Kajfez, D., see Wheelless, W. P., Jr., *MWSYM* 87 Vol. 1 375-378
- Kajfez, D. Indefinite integrals useful in the analysis of cylindrical dielectric resonators (Short p.); *T-MTT Sep* 87 873-874
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- Kal, S., D. Bhattacharya, and N. B. Chakraborti. Empirical relations for capacitive and inductive coupling coefficients of coupled microstrip lines (Short p.); *T-MTT Apr* 81 386-388
- Kal, S., D. Bhattacharya, and N. B. Chakraborti. Normal-mode parameters of microstrip coupled lines of unequal width (Short p.); *T-MTT Feb* 84 198-200
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- Kanaglekar, N. G., R. E. McIntosh, and W. E. Bryant. Wave analysis of noise in interconnected multiport networks; *T-MTT Feb* 87 112-116
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- Kanazawa, K., M. Kazumura, S. Nambu, G. Kano, and I. Teramoto. A GaAs double-balanced dual-gate FET mixer IC for UHF receiver front-end applications; *MCS* 85 63-65
- Kanazawa, K., M. Kazumura, S. Nambu, G. Kano, and I. Teramoto. A GaAs double-balanced dual-gate FET mixer IC for UHF receiver front-end applications; *MWSYM* 85 60-62
- Kanazawa, K., M. Kazumura, S. Nambu, G. Kano, and I. Teramoto. A GaAs double-balanced dual-gate FET mixer IC for UHF receiver front-end applications; *T-MTT Dec* 85 1548-1554
- Kanazawa, K., M. Kazumura, and G. Kano. A 15 GHz single stage GaAs dual-gate FET monolithic analog frequency divider with reduced input threshold power; *MCS* 88 47-49
- Kanazawa, K., M. Hagio, M. Kazumura, and G. Kano. A 15 GHz single-stage GaAs dual-gate FET monolithic analog frequency divider with reduced input threshold power; *T-MTT Dec* 88 1908-1912
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- Kanazawa, M., see Tanaka, K., *T-MTT Dec* 86 1522-1527
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- Kanda, M., and L. D. Driver. An isotropic electric-field probe with tapered resistive dipoles for broad-band use, 100 kHz to 18 GHz; *T-MTT Feb* 87 124-130
- Kandpal, P. C., and C. Ho. A broadband VCO using dielectric resonators; *MWSYM* 88 Vol. 2 609-612
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- Kaplan, S. L., A. A. Cuneo, and R. V. Garver. Microwave-induced arcing in filters; *MWSYM* 88 Vol. 2 811-814
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- Kastner, R., and R. Mittra. A new stacked two-dimensional spectral iterative technique (SIT) for analyzing microwave power deposition in biological media; *T-MTT Nov* 83 898-904
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- Katehi, P. B., and N. G. Alexopoulos. Microstrip discontinuity modelling for millimetric integrated circuits; *MWSYM* 85 571-573
- Katehi, P. B., and N. G. Alexopoulos. Frequency-dependent characteristics of microstrip discontinuities in millimeter-wave integrated circuits; *T-MTT Oct* 85 1029-1035
- Katehi, P. B., and L. P. Dunleavy. Microstrip filter design including dispersion effects and radiation losses; *MWSYM* 86 687-690
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- Kishi, N., and E. Yamashita. A simple coupled-mode analysis method for multiple-core optical fiber and coupled dielectric waveguide structures; *T-MTT Dec 88* 1861-1868
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- Kobayashi, Y., T. Aoki, and Y. Kabe. Influence of conductor shields on the Q -factors of a TE₀ dielectric resonator; *T-MTT Dec 85* 1361-1366
- Kobayashi, Y., and S. Nakayama. Design charts for shielded dielectric rod and ring resonators; *MWSYM 86* 241-244
- Kobayashi, Y., and H. Furukawa. Elliptic bandpass filters using four TM₀₁₀ dielectric rod resonators; *MWSYM 86* 353-356
- Kobayashi, Y., and K. Kubo. Canonical bandpass filters using dual-mode dielectric resonators; *MWSYM 87 Vol. 1* 137-140
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- Kobayashi, Y., and M. Minegishi. Precise design of a bandpass filter using high- Q dielectric ring resonators; *T-MTT Dec 87* 1156-1160
- Kobayashi, Y., and M. Minegishi. A bandpass filter using electrically coupled TM₀₁₈ dielectric rod resonators; *MWSYM 88 Vol. 1* 507-510
- Kobayashi, Y., and M. Minegishi. A low-loss bandpass filter using electrically coupled high- Q TM₀₁₈ dielectric rod resonators; *T-MTT Dec 88* 1727-1732
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- Kobiki, M., Y. Mitsui, Y. Sasaki, M. Komaru, K. Seino, and T. Takagi. A Ka-band GaAs power MMIC; *MCS 85* 31-34
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- Kocot, C., and C. A. Stolte. Backgating in GaAs MESFET's; *T-MTT Jul 82* 963-968
- Kodama, T., K. Sato, and Y. Uemura. SAW vestigial sideband filter for TV broadcasting transmitter; *T-MTT May 81* 429-433
- Koffman, I., P. R. Herzfeld, and A. S. Daryoush. High speed fiber optic links for short-haul microwave applications; *MWSYM 88 Vol. 2* 983-986
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- Koike, S., N. Yoshida, and I. Fukai. Transient analysis of microstrip gap in three-dimensional space (Short p.); *T-MTT Aug 85* 726-730
- Koike, S., N. Yoshida, and I. Fukai. Transient analysis of a directional coupler using a coupled microstrip slot line in three-dimensional space (Short p.); *T-MTT Mar 86* 353-356
- Koike, S., N. Yoshida, and I. Fukai. Transient analysis of coupling between crossing lines in three-dimensional space (Short p.); *T-MTT Jan 87* 67-71
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- Kollberg, E. L., H. Zirath, and A. Jelenski. Temperature-variable characteristics and noise in metal-semiconductor junctions; *T-MTT Sep 86* 913-922
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- Kollberg, E. L. Detection of millimeter and submillimeter waves; *MWSYM 87 Vol. 2* 759-762
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- Kolodzey, J., P. Saunier, J. W. Lee, and H. Q. Tserng. Microwave performance of an InAlAs/InGaAs high electron mobility transistor at 77 K; *CORNEL 87* Paper 9
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- Kondo, M., Y. Ohta, M. Fujiwara, and M. Sakaguchi. Integrated optical switch matrix for single-mode fiber networks; *T-MTT Oct 82* 1747-1753
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- Konishi, Y. Advances in millimeter-wave systems in Japan; *T-MTT Dec 85* 1534-1537
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- Konrad, A. On the reduction of the number of spurious modes in the vectorial finite-element solution of three-dimensional cavities and waveguides; *T-MTT Feb 86* 224-227
- Koo, K. P., and G. H. Sigel, Jr. An electric field sensor utilizing a piezoelectric polyvinylidene fluoride (PVF₂) film in a single-mode fiber interferometer; *T-MTT Apr 82* 516-521
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- Koshiba, M., K. Hayata, and M. Suzuki. Finite-element formulation in terms of the electric-field vector for electromagnetic waveguide problems; *T-MTT Oct 85* 900-905
- Koshiba, M., and M. Suzuki. Finite-element analysis of H -plane waveguide junction with arbitrarily shaped ferrite post; *T-MTT Jan 86* 103-109
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- Koul, S. K., and B. Bhat. Broadside, edge-coupled, symmetric strip transmission lines; *T-MTT Nov 82* 1874-1880
- Koul, S. K., and B. Bhat. Generalized analysis of microstrip-like transmission lines and coplanar strips with anisotropic substrates for MIC, electrooptic modulator, and SAW application; *T-MTT Dec 83* 1051-1059
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- Koul, S. K. An analytical method for the capacitance of the rectangular inhomogeneous coaxial line having anisotropic dielectrics (Short p.); *T-MTT Aug 84* 937-941
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- Krafcsik, D. M., S. A. Imhoff, D. E. Dawson, and A. L. Conti. A dual-varactor, analog phase shifter operating 6 to 18 GHz; *MCS* 88 83-86
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- Krafcsik, D. M., S. A. Imhoff, D. E. Dawson, and A. L. Conti. A dual-varactor analog phase shifter operating at 6 to 18 GHz; *T-MTT Dec 88* 1938-1941
- Kraszewski, A., M. A. Stuchly, S. S. Stuchly, and G. Hartsgrrove. Specific absorption rate distribution in a model of man at various polarizations; *MWSYM* 84 142-144
- Kraszewski, A., M. A. Stuchly, S. S. Stuchly, G. Hartsgrrove, and D. Adamski. Specific absorption rate distribution in a full-scale model of man at 350 MHz; *T-MTT Aug 84* 779-783
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- Krown, C. M. Slow-wave propagation in two types of cylindrical waveguides loaded with a semiconductor (Short p.); *T-MTT Apr 85* 335-339
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- Krown, C. M., A. A. Mostafa, and K. A. Zaki. Nonreciprocal millimeter wave propagation in slot guiding structures using magnetoplasmons; *MWSYM* 88 Vol. 1 211-214
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- Krown, C. M., A. A. Mostafa, and K. A. Zaki. Slot and microstrip guiding structures using magnetoplasmons for nonreciprocal millimeter-wave propagation; *T-MTT Dec 88* 1850-1860
- Krupka, J., see Kedzior, A., *T-MTT Feb 82* 196-198
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- Kumar, A., M. R. Shenoy, and K. Thyagarajan. Modes in anisotropic rectangular waveguides: An accurate and simple perturbation approach (Short p.); *T-MTT Oct 84* 1415-1418
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- Kumar, M., and J. C. Whartenby. TWT linearizer using dual-gate MESFET; *MWSYM* 84 314-315
- Kumar, M., J. C. Whartenby, and H. J. Wolkstein. Broadband and broad dynamic range GaAs dual-gate MESFET linearizer for TWT and SSPA used in satellite transponder; *MWSYM* 85 609-612
- Kumar, M., J. C. Whartenby, and H. J. Wolkstein. Predistortion linearizer using GaAs dual-gate MESFET for TWT and SSPA used in satellite transponders; *T-MTT Dec 85* 1479-1488
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- Kushner, L. J., M. A. Hollis, R. H. Mathews, K. B. Nichols, and C. O. Bozler. 22 GHz performance of the permeable base transistor; *MWSYM 88 Vol. 1* 525-528
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- Kyuma, K., S. Tai, T. Sawada, and M. Nunoshita. Fiber-optic instrument for temperature measurement; *T-MTT Apr 82* 522-525
- Kyuma, K., S. Tai, M. Nunoshita, T. Takioka, and Y. Ida. Fiber optic measuring system for electric current by using a magnetooptic sensor; *T-MTT Oct 82* 1607-1611
- L
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- Lajugie, M., F. Grossier, A. Silbermann, and Y. Bender. Full characterization of GaAs power MESFET and accurate load - pull contours prediction; *MWSYM 86* 339-342
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- Lakhtakia, A., M. F. Iskander, and C. H. Durney. An iterative extended boundary condition method for solving the absorption characteristics of lossy dielectric objects of large aspect ratios; *T-MTT Aug 83* 640-647
- Lakshminarayana, M. R., and L. D. Partain. Large-signal, dynamic, negative conductance of Gunn devices in Sharpless flanges; *T-MTT Mar 83* 265-271
- Lam, C. S., and C. G. Fonstad. Improved MODFET performance through ion implantation in the gate region; *CORNEL 87* Paper 13
- Lam, W. W., A. K. Sharma, K. Nakano, K. Ip, C. Yang, L. Liu, and H. C. Yen. Experimental modeling for millimeter-wave monolithic integrated circuit components; *MWSYM 88 Vol. 1* 477-480
- Lam, W. W., see Hwu, R. J., *MWSYM 88 Vol. 1* 533-537
- Lam, W. W., C. F. Jou, H. Z. Chen, K. S. Stolt, N. C. Luhmann, Jr., and D. B. Rutledge. Millimeter-wave diode-grid phase shifters; *T-MTT May 88* 902-907
- Lam, W. W., see Jou, C. F., *T-MTT Nov 88* 1507-1514
- Lambert, S. A., see Bayraktaroglu, B., *CORNEL 87* Paper 45
- Lambert, S. A., see Bayraktaroglu, B., *T-MTT Dec 88* 1869-1873
- Lambrianou, G. M., and C. S. Aitchison. Power characterisation of a MESFET amplifier using small signal measurements and Volterra series; *MWSYM 85* 409-412
- Lambrianou, G. M., and C. S. Aitchison. Optimization of third-order intermodulation product and output power from an *X*-band MESFET amplifier using Volterra series analysis; *T-MTT Dec 85* 1395-1403
- Lampariello, P., see Oliner, A. A., *MWSYM 84* 62-64
- Lampariello, P., see Oliner, A. A., *T-MTT Sep 85* 755-764
- Lampariello, P., F. Frezza, H. Shigesawa, M. Tsuji, and A. A. Oliner. Guidance and leakage properties of offset groove guide; *MWSYM 87 Vol. 2* 731-734
- Lampe, R., P. Klock, D. Tanner, and P. Mayes. Theory and experiment predicting the cutoff frequencies for a rectangular stripline, *MWSYM 84* 68-69
- Lampe, R., P. Klock, and P. Mayes. Integral transforms useful for the accelerated summation of periodic, free-space Green's functions (Short p.); *T-MTT Aug 85* 734-736
- Lampe, R., P. Klock, D. Tanner, and P. Mayes. Analysis and experiment concerning the cutoff frequencies of rectangular striplines (Short p.); *T-MTT Aug 86* 898-899
- Lampen, J. L., see Galani, Z., *T-MTT Jul 81* 642-654
- Lan, G., see Dornan, B., *MWSYM 85* 597-600
- Lan, G., D. Kalokitis, E. Mykiety, E. Hoffman, and F. Secchi. Highly stabilized, ultra-low noise FET oscillator with dielectric resonator; *MWSYM 86* 83-86
- Lan, G.-L., and D. L. Sengupta. Frequency agile circular microstrip antennas; *MWSYM 85* 693-695
- Lan, G. L., D. L. Dunn, J. C. Chen, C. K. Pao, and D. C. Wang. A high performance *V*-band monolithic FET transmit - receive switch; *MCS 88* 99-101
- Landt, D. L., and R. J. Weber. Pulse network analyzer; *MWSYM 85* 581-584
- Lane, A. A., see Green, C. R., *MWSYM 87 Vol. 2* 2933-936
- Lane, J. R., R. G. Freitag, J. E. Degenford, and M. Cohn. High efficiency one, two, and four watt class B FET power amplifiers; *MWSYM 86* 451-454
- Lane, J. R., R. G. Freitag, H.-K. Hahn, J. E. Degenford, and M. Cohn. High-efficiency 1-, 2-, and 4-W Class-B FET power amplifiers; *T-MTT Dec 86* 1318-1326
- Lang, R. J., and B. J. Edward. A 35 GHz electronically steered line array; *MWSYM 87 Vol. 2* 937-940
- Lange, F. J. K. Comments on 'A new fin-line ferrite isolator for integrated millimeter-wave circuits' by Beyer, A., and Solbach, K. (Original paper, Dec 81 1344-1348); *T-MTT Aug 82* 1290-1291
- Langmann, U., see Bosch, B. G., *MWSYM 84* 537-539
- Langmann, U., D. Daniel, and B. G. Bosch. Injection laser modulation at 2 Gbit/s by monolithic silicon multiplexer (Short p.); *T-MTT Dec 84* 1675-1677
- Lanzisera, V., see Su, C. B., *CORNEL 85* 312-318
- Lanzisera, V., see Olshansky, R., *MWSYM 88 Vol. 2* 901-903
- Lao, B. Y., N. J. Schneier, D. A. Rowe, R. E. Dietterle, J. S. Schoenwald, E. J. Staples, and J. Wise. SAW oscillators in UHF Transit satellite links; *T-MTT Dec 81* 1327-1333
- Lao, B. Y., see Rowe, D. A., *T-MTT Nov 83* 911-915
- Laroche, E., see Forterre, G., *MWSYM 87 Vol. 1* 407-410
- Larock, V. D., and R. P. Meys. Automatic noise temperature measurement through frequency variation (Short p.); *T-MTT Aug 82* 1286-1289
- Larsen, L. E., see Guo, T. C., *T-MTT Sep 83* 783-785
- Larsen, L. E., see Guo, T. C., *T-MTT Apr 84* 473-474
- Larsen, L. E., see Guo, T. C., *T-MTT Aug 84* 835-843
- Larsen, L. E., see Guo, T. C., *T-MTT Aug 84* 844-854
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- Larson, D. A., D. E. Heckaman, J. A. Frisco, and D. A. Haskins. Low cost TO packages for high speed/microwave applications; *MWSYM 86* 437-440
- Larson, W., see Geddes, J., *MCS 84* 87-90
- Larson, W., see Geddes, J., *MWSYM 84* 102-105
- Larsson, M. A., see Hansson, E. R. B., *T-MTT Mar 81* 209-215
- LaRue, R., C. Yuen, and G. Zdasiuk. Distributed GaAs FET circuit model for broadband and millimeter wave applications; *MWSYM 84* 164-166
- LaRue, R., S. Bandy, and G. Zdasiuk. A high gain, monolithic distributed amplifier using cascode active elements; *MCS 86* 23-26
- LaRue, R., S. Bandy, and G. Zdasiuk. A high gain, monolithic distributed amplifier using cascode active elements; *MWSYM 86* 821-824
- LaRue, R., S. Bandy, and G. Zdasiuk. A 12-dB high-gain monolithic distributed amplifier; *T-MTT Dec 86* 1542-1547
- LaRue, R., see Nishimoto, C., *MCS 87* 109-113
- LaRue, R., see Nishimoto, C., *MWSYM 87 Vol. 1* 155-159
- LaRue, R., see Bandy, S., *T-MTT Dec 87* 1494-1500
- Latham, P. E., see Blum, H. P., *T-MTT Nov 87* 946-955
- Laton, R. W., see Gupta, M. S., *T-MTT Mar 81* 261-263
- Laton, R. W., see Bianchini, M. J., *MWSYM 84* 270-273
- Laton, R. W., see Best, W. S., *MWSYM 84* 356-358
- Laton, R. W., see Ward, C. S., *MWSYM 84* 486-488
- Laton, R. W., see Galani, Z., *T-MTT Dec 84* 1556-1565
- La Tulipe, D. C., see Baratte, H., *CORNEL 87* Paper 17
- Lau, K., see Blauvelt, H., *MWSYM 88 Vol. 2* 2979-981
- Lau, K. F., K. H. Yen, R. S. Kagiwada, and R. B. Stokes. Recent developments in SAW device applications; *MWSYM 84* 80-82
- Lau, K. M., see Chan, S. K., *MWSYM 85* 204-206
- Lau, K. Y., see Koren, U., *T-MTT Oct 82* 1641-1650
- Lau, Y. S., and D. Nicholson. Barium ferrite tuned-indium phosphide Gunn millimeter wave oscillators; *MWSYM 86* 183-186
- Lauer, R. B., see Su, C. B., *CORNEL 85* 312-318
- Laura, P. A. A. Comments on 'Conformal transformations combined with numerical techniques, with applications to coupled-bar problems' by R. Levy (Original paper, Apr 80 369-375); *T-MTT Jun 81* 618-619
- Laura, P. A., and J. L. Pombo. Comments, with reply, on 'The dynamical behavior of a single-mode optical fiber strain gage' by M. Martinelli (Original paper, Apr 82 512-516); *T-MTT Apr 83* 364-366. *Correction*, *Mar 84* 324
- Laura, P. A., and R. H. Gutierrez. Comments on 'A new method for calculating TE and TM cutoff frequencies of uniform waveguides with lunar or eccentric annular cross section' by J. R. Kuttler (Original paper, Apr 84 348-354); *T-MTT May 85* 437
- Laura, P. A. A., see Utjes, J. C., *T-MTT Jan 88* 151-152
- Law, C. L., and C. S. Aitchison. Prediction of wideband power performance of MESFET devices using the Volterra series representation; *MWSYM 86* 487-489
- Law, C. L., and C. S. Aitchison. Prediction of wide-band power performance of MESFET distributed amplifiers using the Volterra series representation; *T-MTT Dec 86* 1308-1317
- Law, C. L., see Aitchison, C. S., *MWSYM 88 Vol. 2* 2911-914
- Law, V. J., see Cronin, N. J., *T-MTT Sep 85* 827-830
- Lawson, W. G., see Blum, H. P., *T-MTT Nov 87* 946-955
- Lawton, R. A., and K. Meyer. Waveform standards for electrooptics: A pulse duration comparison (Short p.); *T-MTT Apr 87* 450-453. *Correction*, *Nov 87* 1076
- Lawton, R. A., and W. T. Anderson. Two-layer dielectric microstrip line structure: SiO₂ on Si and GaAs on Si: Modeling and measurement (Short p.); *T-MTT Apr 88* 785-789
- Lazar, S., see Shimabukuro, F. I., *MWSYM 84* 520-521
- Lazar, S., see Shimabukuro, F. I., *T-MTT Jul 84* 659-665
- Lazarus, M. J., F. R. Pantoja, and M. G. Somekh. Metallized dielectric horn and waveguide structures for millimeter-wave oscillator/mixer systems; *T-MTT Feb 81* 102-106
- Lazay, P. D., and A. D. Pearson. Developments in single-mode fiber design, materials, and performance at Bell Laboratories; *T-MTT Apr 82* 350-356
- Le, H. Q., see Sollner, T. C. L. G., *CORNEL 85* 252-260
- Leach, H. A., see Weglein, R. D., *MWSYM 87 Vol. 1* 261-264
- Leblanc, R., M.-I. Rudelle, V. Pauker, P. Talbot, A. Collet, and J. Bellaiche. GaAs monolithic circuit for FMCW radars; *MCS 88* 109-111
- Leblanc, R., M.-I. Rudelle, V. Pauker, P. Talbot, A. Collet, and J. Bellaiche. GaAs monolithic circuit for FMCW radars; *MWSYM 88 Vol. 1* 99-101

- Lecreiff, M., see Escotte, L., *MWSYM 88 Vol. 2* 919-922
- L'Ecuyer, J., G. B. Gajda, and W. J. R. Hoefer. A FET amplifier in fin-line technique; *MWSYM 86* 287-290
- Ledee, R., P. Pribetich, P. Kennis, and M. Chive. Modelisation of microstrip - microslot applicator by extension of transmission line model; *MWSYM 88 Vol. 1* 161-164
- Lee, B. R., see Smith, P. M., *MWSYM 87 Vol. 2* 749-752
- Lee, B. R., see Duh, K. H. G., *MWSYM 88 Vol. 2* 923-926
- Lee, B. R., see Smith, P. M., *MWSYM 88 Vol. 2* 927-930
- Lee, B. R., see Duh, K. H. G., *T-MTT Dec 88* 1598-1603
- Lee, C. A., see Best, T. C., *T-MTT May 82* 729-734
- Lee, C. A., see Bellantoni, J. V., *T-MTT Dec 88* 1880-1885
- Lee, C. H., see Vaucher, A. M., *T-MTT Feb 83* 209-216
- Lee, C. H., see Chang, C. S., *MWSYM 84* 540-541
- Lee, C. H., M. G. Li, C. S. Chang, A. M. Yurek, M. J. Rhee, E. Chauchard, R. P. Fischer, A. Rosen, and H. Davis. Optoelectronic techniques for microwave and millimeter-wave applications; *MWSYM 85* 178-181
- Lee, C. H., see Yurek, A. M., *T-MTT Nov 86* 1220-1223
- Lee, C. H., see Sayadian, H. A., *MWSYM 87 Vol. 2* 649-652
- Lee, C. H. Optical generation and control of microwaves and millimeter-waves; *MWSYM 87 Vol. 2* 811-814
- Lee, C. H., see Polak-Dingels, P., *MWSYM 88 Vol. 1* 237-240
- Lee, C. L., J. S. Horng, and C. H. Huang. A planar electrooptic beam splitter with a zig-zag electrode; *T-MTT Nov 83* 890-897
- Lee, C.-P., B. M. Welch, and R. Zucca. Saturated resistor load for GaAs integrated circuits; *T-MTT Jul 82* 1007-1013
- Lee, C. S., S.-W. Lee, and S.-L. Chuang. Plot of modal field distribution in rectangular and circular waveguides (Short p.); *T-MTT Mar 85* 271-274
- Lee, C. S., S.-W. Lee, and S.-L. Chuang. Normal modes in an overmoded circular waveguide coated with lossy material; *T-MTT Jul 86* 773-785. *Correction*, Nov 86 1229
- Lee, C. W., see Cho, H. G., *MWSYM 86* 279-282
- Lee, F. S., see Walton, E. R., Jr., *T-MTT Jul 82* 1020-1026
- Lee, H., and V. K. Tripathi. Spectral domain analysis of frequency dependent propagation characteristics of planar structures on uniaxial medium; *T-MTT Aug 82* 1188-1193
- Lee, H., and V. K. Tripathi. Generalized spectral domain analysis of planar structures having semi-infinite ground planes; *MWSYM 84* 327-329
- Lee, H., see Seo, K., *CORNEL 85* 154-162
- Lee, H., see Camnitz, L. H., *CORNEL 85* 199-208
- Lee, H., see Levy, H. M., *CORNEL 87* Paper 14
- Lee, H., see Menk, G. E., *CORNEL 87* Paper 18
- Lee, J., J. E. Andrews, K. W. Lee, and W. R. Day. Digital and analog frequency - temperature compensation of dielectric resonator oscillators; *MWSYM 84* 277-279
- Lee, J.-F., and Z. J. Cendes. An adaptive spectral response modeling procedure for multi-port waveguide junctions; *MWSYM 87 Vol. 1* 337-339
- Lee, J.-F., and Z. J. Cendes. An adaptive spectral response modeling procedure for multiport microwave circuits; *T-MTT Dec 87* 1240-1247
- Lee, J.-F., see Cendes, Z. J., *MWSYM 88 Vol. 2* 623-626
- Lee, J.-F., and Z. J. Cendes. Analysis of microwave ferrite devices by the transfinite element method; *MWSYM 88 Vol. 2* 883-886
- Lee, J.-F., see Cendes, Z. J., *T-MTT Dec 88* 1639-1649
- Lee, J.-L., and J. E. Scharer. ICRF wave coupling and optimization of a dielectric-filled waveguide launcher; *MWSYM 87 Vol. 1* 395-398
- Lee, J. N., see Casseday, M. W., *T-MTT May 81* 483-490
- Lee, J. W., see Kolodzey, J., *CORNEL 87* Paper 9
- Lee, K. S., see Oliner, A. A., *MWSYM 86* 57-60
- Lee, K. W., see Lee, J., *MWSYM 84* 277-279
- Lee, K. W., see Andrews, J. E., *MWSYM 88 Vol. 1* 491-494
- Lee, S. H., see Dawson, D. E., *MCS 84* 6-10
- Lee, S. H., see Freitag, R. G., *MCS 88* 125-128
- Lee, S. H., see Freitag, R. G., *MWSYM 88 Vol. 1* 175-178
- Lee, S.-W., M. S. Sheshadri, V. Jamnejad, and R. Mittra. Refraction at a curved dielectric interface: Geometrical optics solution; *T-MTT Jan 82* 12-19.
- Comments, with reply, by Love, J. D., and Snyder, A. W., Oct 83 853
- Lee, S.-W., see Lee, C. S., *T-MTT Mar 85* 271-274
- Lee, S.-W., see Loane, J., *T-MTT May 86* 490-494
- Lee, S.-W., see Lee, C. S., *T-MTT Jul 86* 773-785
- Lee, S.-W., see Chou, R.-C., *T-MTT Jul 88* 1167-1176
- Lee, T. T., see Gupta, M. S., *T-MTT Mar 81* 261-263
- Lee, T. T., see Hung, H.-L. A., *MCS 88* 87-90
- Lee, T. T., see Hung, H.-L. A., *T-MTT Dec 88* 1966-1975
- Lefevre, J.-P., see Picon, O., *MWSYM 87 Vol. 2* 621-624
- Lefevre, J.-P., see Picon, O., *T-MTT Dec 87* 1408-1413
- Legrand, C., see Farneix, J. P., *T-MTT Nov 82* 2015-2017
- Le Guen, D., see Favre, F., *T-MTT Oct 82* 1700-1705
- Lehmann, R. E., and D. D. Heston. X-band monolithic series feedback LNA; *MCS 85* 54-57
- Lehmann, R. E., and D. D. Heston. X-band monolithic series feedback LNA; *MWSYM 85* 51-54
- Lehmann, R. E., and D. D. Heston. X-band monolithic series feedback LNA; *T-MTT Dec 85* 1560-1566
- Lehmann, R. E., see Seymour, D. J., *MCS 87* 35-37
- Lehmann, R. E., see Heston, D. D., *MCS 88* 79-81
- Lehmann, R. E., see Seymour, D. J., *MCS 88* 147-150
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- Leighton, W. H., see Nesbit, G. H., *MWSYM 85* 391-394
- Leitner, M., and R. Vahldieck. Advances in low-cost manufacturing—Quasi thin film technology produces low-loss MIC-components; *MWSYM 86* 427-430
- Le Meur, G., see Peignet, C., *MWSYM 88 Vol. 1* 417-420
- Lemnios, Z., see Turner, E., *MCS 88* 9-14
- Lengyel, G., P. Meissner, E. Patzak, and K.-H. Zschauer. An analytical solution of the lateral current spreading and diffusion problem in narrow oxide stripe (GaAl)As/GaAs DH lasers; *T-MTT Apr 82* 464-471
- Leonard, J. B., see Cheever, E., *T-MTT Sep 87* 865-867
- Leonberger, F. J., see Rediker, R. H., *T-MTT Oct 82* 1801-1804
- Leong, M.-S. Comments on 'The effect of fringing fields on the resistance of a conducting film' by S. M. Schwarzbeek and S. T. Ruggiero (Original paper, Sep 86 977-981); *T-MTT Jun 87* 601
- Leong, M.-S., P. S. Kooi, and Chandra. A new class of basis functions for the solution of the E-plane waveguide discontinuity problem; *T-MTT Aug 87* 705-709
- Lepore, A. N., see Chen, Y.-K., *CORNEL 87* Paper 8
- Lepore, A. N., see Chen, Y.-K., *T-MTT Dec 87* 1456-1460
- Lerner, L., see Sango, M., *MWSYM 88 Vol. 2* 1053-1056
- Leroy, Y., see Giaux, *MWSYM 88 Vol. 1* 157-160
- LeSage, S. R., J. A. Detra, and J. B. Beyer. Optimizing the power-added efficiency of a class B GaAs FET amplifier; *MWSYM 88 Vol. 1* 339-342
- LeSage, S. R., see Hayama, N., *MWSYM 88 Vol. 2* 679-682
- Lester, J. A., C. M. Jackson, and K. Chang. Diode phase shifter and model in waveguide; *MWSYM 87 Vol. 2* 599-602
- Lester, J. A., see Jackson, C. M., *MWSYM 88 Vol. 2* 781-784
- Lester, L. F., see Smith, P. M., *MWSYM 87 Vol. 2* 749-752
- Lester, L. F., see Duh, K. H. G., *MWSYM 88 Vol. 2* 923-926
- Lester, L. F., see Smith, P. M., *MWSYM 88 Vol. 2* 927-930
- Lester, L. F., see Duh, K. H. G., *T-MTT Dec 88* 1598-1603
- Leung, C. C., C. P. Snapp, and P. Grande. A 0.5 μ m silicon bipolar transistor for low phase noise oscillator applications up to 20 GHz; *MWSYM 85* 383-386
- Leung, T., and C. A. Balanis. Attenuation distortion of transient signals in microstrip (Short p.); *T-MTT Apr 88* 765-769
- Leung, T., and C. A. Balanis. Pulse dispersion distortion in open and shielded microstrips using the spectral-domain method (Short p.); *T-MTT Jul 88* 1223-1226
- Leuzzi, G., see Sorrentino, R., *T-MTT Apr 84* 410-416
- Leviatan, Y., P. G. Li, A. T. Adams, and J. Perini. Single-post inductive obstacle in rectangular waveguide; *T-MTT Oct 83* 806-812.
- Comments by Cloete, J. H., May 85 437
- Leviatan, Y., see Li, P. G., *T-MTT Apr 84* 365-373
- Leviatan, Y., D.-H. Shau, and A. T. Adams. Numerical study of the current distribution on a post in a rectangular waveguide (Short p.); *T-MTT Oct 84* 1411-1415
- Leviatan, Y., P. G. Li, A. T. Adams, and J. Perini. Reply to comment by J. H. Cloete on 'Single-post inductive obstacle in rectangular waveguide' (Cloete's comments, May 85 437); *T-MTT Jun 85* 556
- Leviatan, Y. Low-frequency characteristic modes for aperture coupling problems; *T-MTT Nov 86* 1208-1213
- Leviatan, Y., and G. S. Sheaffer. Analysis of inductive dielectric posts in rectangular waveguide; *T-MTT Jan 87* 48-59
- Leviatan, Y., see Boag, A., *MWSYM 88 Vol. 1* 307-310
- Leviatan, Y. Electromagnetic coupling between two half-space regions separated by two slot-perforated parallel conducting screens; *T-MTT Jan 88* 44-52
- Leviatan, Y., see Sheaffer, G. S., *T-MTT Apr 88* 779-783
- Levin, R. L., see Hagmann, M. J., *T-MTT Jul 85* 649-654
- Levin, R. L., see Guerin-Kern, J. L., *MWSYM 86* 775-778
- Levin, R. L., see Hagmann, M. J., *T-MTT Jun 86* 653-659
- Levinson, H., see Vyse, B., *T-MTT Jul 81* 739-745
- Levush, B., and W. M. Manheimer. Generation of high-frequency radiation by quasi-optical gyrotron at harmonics of the cyclotron frequency (Short p.); *T-MTT Oct 84* 1398-1401
- Levy, D., A. Hoblet, and Y. Bender. A 2 - 18 GHz travelling wave lossless two-port combiner; *MWSYM 86* 503-506
- Levy, H. M., H. Lee, C. J. Wu, M. V. Schneider, and E. Kohn. Engineering of HEMT characteristics through gate recess considerations; *CORNEL 87* Paper 14
- Levy, J., see Cohen, L. D., *MWSYM 84* 233-235
- Levy, R., and J. Helszajn. Specific equations for one and two section quarter-wave matching networks for stub-resistor loads; *T-MTT Jan 82* 55-63
- Levy, R., see Cohn, S. B., *T-MTT Sep 84* 1046-1054
- Levy, R., and S. B. Cohn. A history of microwave filter research, design, and development; *T-MTT Sep 84* 1055-1067
- Levy, R. New equivalent circuits for inhomogeneous coupled lines with synthesis applications; *T-MTT Jun 88* 1087-1094
- Levy, R., Ed., see Itoh, T., Ed., *T-MTT Apr 86* 377-378
- Levy, R., Ed. Editorial; *T-MTT May 88* 801
- Lewin, L., see Abouzahra, M. D., *T-MTT Nov 82* 1988-1995.
- Lewin, L. A method of avoiding the edge current divergence in perturbation loss calculations (Short p.); *T-MTT Jul 84* 717-719
- Lewin, L., see Abouzahra, M. D., *T-MTT Jan 85* 75
- Lewin, P. T., see Anderson, D. G., *T-MTT Nov 83* 963-964
- Lewin, P. T., see Anderson, D. G., *T-MTT Jan 85* 20-24
- Lewin, P. T., see Anderson, D. G., *T-MTT Jul 87* 653-656
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- Lewis, G. K., I. J. Bahl, E. Griffin, and E. R. Schineller. GaAs MMICs for digital radio frequency memory (DRFM) subsystems; *MCS 87* 53-56
- Lewis, G. K., I. J. Bahl, E. Griffin, and E. R. Schineller. GaAs MMICs for digital radio frequency memory (DRFM) subsystems; *T-MTT Dec 87* 1477-1485
- Lewis, G. K., I. J. Bahl, A. E. Geissberger, and E. R. Schineller. GaAs MMIC slotline/CPW quadrature IF upconverter; *MCS 88* 51-54
- Lewis, G. K., see Geissberger, A. E., *MWSYM 88 Vol. 2* 569-572
- Lewis, G. K., see Geissberger, A. E., *T-MTT Dec 88* 1706-1713
- Li, D., see Nesbit, G. H., *MCS 86* 51-55
- Li, D., see Trinh, T. N., *MCS 87* 89-92
- Li, K. K., G. Arjavalingam, A. Dienes, and J. R. Whinnery. Propagation of picosecond pulses on microwave striplines (Short p.); *T-MTT Aug 82* 1270-1273
- Li, K. R., see Yamashita, E., *T-MTT Dec 85* 1323-1328
- Li, K. R., see Yamashita, E., *MWSYM 87 Vol. 2* 685-688
- Li, K. R., see Yamashita, E., *T-MTT Dec 87* 1355-1362
- Li, M. G., see Lee, C. H., *MWSYM 85* 178-181
- Li, M. G., see Yurek, A. M., *T-MTT Nov 86* 1220-1223
- Li, M. G., see Sayadian, H. A., *MWSYM 87 Vol. 2* 649-652
- Li, P. G., see Leviatan, Y., *T-MTT Oct 83* 806-812.
- Li, P. G., A. T. Adams, Y. Leviatan, and J. Perini. Multiple-post inductive obstacles in rectangular waveguide; *T-MTT Apr 84* 365-373

- Li, P. G., and A. T. Adams. Lossy inductive-post obstacles in lossy waveguide; *T-MTT Jan 85* 8-15
- Li, P. G., see Leviatan, Y., *T-MTT Jun 85* 556
- Li, Q. F., S. Y. Park, and J. L. Hirshfield. Theory of gyrotron traveling-wave amplifiers; *T-MTT Oct 86* 1044-1058
- Li, S., C. Akyel, and R. G. Bosio. Precise calculations and measurements on the complex dielectric constant of lossy materials using TM₀₁₀ cavity perturbation techniques; *T-MTT Oct 81* 1041-1048
- Li, S., and R. G. Bosio. The measurement of complex reflection coefficient by means of a five-port reflectometer; *T-MTT Apr 83* 321-326
- Li, S., see Xia, Y., *MWSYM 87 Vol. 1* 415-418
- Li, S., see Rong, A., *MWSYM 87 Vol. 2* 721-724
- Li, S., see Rong, A., *MWSYM 88 Vol. 1* 355-358
- Li, S.-F., see Sun, Z.-L., *MWSYM 84* 172-174
- Li, S.-f., see Chen, Y.-y., *MWSYM 86* 229-239
- Li, S.-h., and R. G. Bosio. Composite hole conditions on complex permittivity measurements using microwave cavity perturbation techniques (Short p.); *T-MTT Jan 82* 100-103
- Li, S.-h., and R. G. Bosio. Calibration of multipoint reflectometers by means of four open/short circuits; *T-MTT Jul 82* 1085-1090
- Li, Y., see Pao, C.-s., *MWSYM 88 Vol. 1* 457-458
- Li, Y.-Q., see Li, Z., *MWSYM 88 Vol. 2* 551-554
- Li, Z., Y.-Q. Li, and Z.-M. Gan. Microstrip disk cavities filter using gap capacitances coupling; *MWSYM 88 Vol. 2* 551-554
- Li, Z.-W., and W.-X. Zhang. Design and performance of the millimeter wave DBR Gunn oscillators; *MWSYM 86* 531-534
- Liang, C.-H., and D. K. Cheng. On performance limitations of aperture coupling between rectangular waveguides; *T-MTT May 82* 777-787
- Liechti, C. A., G. L. Baldwin, E. Gowen, R. Joly, M. Namjoo, and A. Podell. A GaAs MSI word generator operating at 5 Gbits/s data rate; *T-MTT Jul 82* 998-1006
- Lieneweg, U., see Hwu, R. J., *MWSYM 88 Vol. 1* 533-537
- Lier, E., and T. Schaug-Petersen. A novel type of waveguide polarizer with large cross-polar bandwidth (Short p.); *T-MTT Nov 88* 1531-1534
- Lievins, J. L., see Wang, H., *T-MTT Dec 86* 1344-1348
- Lighthart, L. P. A fast computational technique for accurate permittivity determination using transmission line methods; *T-MTT Mar 83* 249-254
- Liles, B., see Dao, T., *MWSYM 84* 218-220
- Lilong, D., see Baudrand, H., *T-MTT Nov 84* 1434-1441
- Lin, H.-H., see Jow, J., *T-MTT Dec 87* 1435-1443
- Lin, J. C., see Olsen, R. G., *T-MTT Oct 81* 1114-1117
- Lin, J. C., and K. H. Chan. Microwave thermoelastic tissue imaging—System design; *T-MTT Aug 84* 854-860
- Lin, J. C., *Guest Ed.* Foreword to special issue on phased arrays for hyperthermia treatment of cancer; *T-MTT May 86* 481-482
- Lin, S., see Esfandiari, R., *MCS 87* 135-137
- Lin, S., see Esfandiari, R., *MWSYM 87 Vol. 1* 229-231
- Lin, T. S., see Yang, D. C., *MCS 87* 101-103
- Lin, T. S., see Yang, D. C., *MWSYM 87 Vol. 1* 193-95
- Lin, W. A critical study of the coaxial transmission line utilizing conductors of both circular and square cross section; *T-MTT Nov 82* 1981-1988
- Lin, W. Polygonal coaxial line with round center conductor (Short p.); *T-MTT Jun 85* 545-550.
- Comments, with reply, by Abouzahra, M. D., Jan 86* 195-196
- Lin, W. A new transmission line of round conductor and parallel plane with symmetrically placed slit (Short p.); *T-MTT Aug 85* 739-740
- Lin, W. Computation of the parallel-plate capacitor with symmetrically placed unequal plates; *T-MTT Sep 85* 800-807
- Lin, W. Microwave research in China; *MWSYM 86* 207-210
- Lin, Z.-Q., S.-T. Zhou, W. S. C. Chang, S. Forouhar, and J.-M. Delavaux. A generalized two-dimensional coupled-mode analysis of curved and chirped periodic structures in open dielectric waveguides; *T-MTT Sep 81* 881-891
- Lin, Z.-Q., see Fang, X.-S., *T-MTT Nov 85* 1150-1154
- Lin, Z.-Q., see Fang, X.-S., *T-MTT Nov 87* 978-983
- Lindell, I. V. On the quasi-TEM modes in inhomogeneous multiconductor transmission lines; *T-MTT Aug 81* 812-817
- Lindell, I. V. Asymptotic high-frequency modes of homogeneous waveguide structures with impedance boundaries (Ltr.); *T-MTT Oct 81* 1087-1091.
- Correction, Mar 82* 296
- Lindell, I. V. Asymptotic high-frequency modes of homogeneous waveguide structures with impedance boundaries; *T-MTT Oct 81* 1087-1093
- Lindell, I. V. Variational methods for nonstandard eigenvalue problems in waveguide and resonator analysis; *T-MTT Aug 82* 1194-1204.
- Comments, with reply, by Gabriel, G. J., Sep 83* 786-789, and *Apr 84* 474-476
- Lindell, I. V., and A. H. Sihvola. Dielectrically loaded corrugated waveguide: Variational analysis of a nonstandard eigenproblem; *T-MTT Jul 83* 520-526
- Lindell, I. V., and M. I. Oksanen. Transversely anisotropic optical fibers: Variational analysis of a nonstandard eigenproblem; *T-MTT Sep 83* 736-745
- Lindell, I. V., see Alanen, E., *MWSYM 87* 78-81
- Lindell, I. V., see Alanen, E., *T-MTT May 86* 584-588
- Lindell, I. V., and Q. Gu. Theory of time-domain quasi-TEM modes in inhomogeneous multiconductor lines; *T-MTT Oct 87* 893-897
- Ling, H., see Loane, J., *T-MTT May 86* 490-494
- Ling, H., see Nam, S., *MWSYM 88 Vol. 2* 627-630
- Lingemann, C., see Arndt, F., *T-MTT Jul 85* 654-659
- Lingren, T. D., see Kreinheder, D. E., *T-MTT Sep 82* 1383-1387
- Linke, R. A., see Dolan, G. J., *T-MTT Feb 81* 87-91
- Linnér, L. J. P., and H. B. Lundén. Theory and design of broad-band nongrounded matched loads for planar circuits (Short p.); *T-MTT Aug 86* 892-896
- Linton, T. D., see Blakey, P. A., *CORNEL 87* Paper 44
- Linz, A., and J. K. Butler. Modal solutions of active dielectric waveguides by approximate methods; *T-MTT Dec 82* 2139-2145
- Lioi, M. B., see Bisceglia, B., *MWSYM 86* 779-781
- Lipparini, A., see Rizzoli, V., *T-MTT Feb 81* 143-150
- Lipparini, A., see Rizzoli, V., *T-MTT Jul 81* 655-661
- Lipparini, A., E. Marazzi, and V. Rizzoli. A new approach to the computer-aided design of nonlinear networks and its application to microwave parametric frequency dividers; *T-MTT Jul 82* 1050-1058
- Lipparini, A., see Rizzoli, V., *T-MTT Sep 83* 762-770
- Lipparini, A., see Rizzoli, V., *MWSYM 85* 699-702
- Lipparini, A., see Rizzoli, V., *T-MTT Jan 85* 30-37
- Lipparini, A., see Rizzoli, V., *T-MTT Dec 85* 1507-1512
- Lipparini, A., see Rizzoli, V., *MWSYM 86* 483-486
- Lipparini, A., see Rizzoli, V., *MWSYM 88 Vol. 2* 1103-1106
- Lipparini, A., see Rizzoli, V., *T-MTT Dec 88* 1650-1660
- Lippens, D., see Dalle, C., *CORNEL 85* 351-359
- Lisak, M., see Anderson, D. G., *T-MTT Nov 83* 963-964
- Lisak, M., see Anderson, D. G., *T-MTT Jan 85* 20-24
- Lisak, M., see Anderson, D. G., *T-MTT Jul 87* 653-656
- Litchfield, T., see Chu, A., *MCS 87* 63-67
- Liu, C. S., see Liu, L. C. T., *MCS 86* 41-44
- Liu, C. S., see Liu, L. C. T., *T-MTT Dec 86* 1548-1552
- Liu, C.-T., and C. H. Chen. A variational theory for wave propagation in inhomogeneous dielectric slab loaded waveguides; *T-MTT Aug 81* 805-812
- Liu, D. New types of 3-dB directional couplers of microstrip transmission lines; *MWSYM 86* 265-266
- Liu, L., see Xu, D., *MWSYM 87 Vol. 1* 251-254
- Liu, L., see Xu, D., *T-MTT Dec 87* 1424-1428
- Liu, L., see Lam, W. W., *MWSYM 88 Vol. 1* 477-480
- Liu, L. C. T., D. W. Maki, C. Storment, M. Sokolich, and W. Klatskin. An 8 - 18 GHz monolithic two-stage low noise amplifier; *MCS 84* 49-51
- Liu, L. C. T., see Maki, D. W., *MCS 84* 62-66
- Liu, L. C. T., see Maki, D. W., *MWSYM 84* 39-42
- Liu, L. C. T., and W. H. Ku. Computer-aided synthesis of lumped lossy matching networks for monolithic microwave integrated circuits (MMIC's); *T-MTT Mar 84* 282-290
- Liu, L. C. T., see Chang, C.-D., *MCS 85* 46-49
- Liu, L. C. T., see Wang, S. K., *T-MTT Dec 85* 1597-1602
- Liu, L. C. T., C. S. Liu, J. R. Kessler, and S. K. Wang. A 30 GHz monolithic receiver; *MCS 86* 41-44
- Liu, L. C. T., see Wang, D. C., *MCS 86* 61-63
- Liu, L. C. T., C. S. Liu, J. R. Kessler, S.-K. Wang, and C.-D. Chang. A 30-GHz monolithic receiver; *T-MTT Dec 86* 1548-1552
- Liu, L. C. T., see Wang, D. C., *T-MTT Dec 86* 1553-1558
- Liu, L. C. T., see Yonaki, J., *MCS 88* 91-94
- Liu, P.-L. LiNbO₃ waveguide modulator with 1.2 μ m thick electrodes fabricated by lift-off technique; *T-MTT Oct 82* 1768-1770
- Liu, S. G., see Bechtly, D., *MWSYM 87 Vol. 2* 849-851
- Liu, S. G., see Upadhyayula, L. C., *MWSYM 87 Vol. 2* 903-906
- Liu, S.-M., M. B. Das, U. K. Mishra, S. C. Palmateer, P. C. Chao, P. M. Smith, and J. C. M. Hwang. Measurement techniques for the separation of active device parameters from parasitic resistances in 0.25 μ m gate-length MODFET's; *CORNEL 85* 209-219
- Liu, Y., see Zhang, X., *T-MTT Feb 88* 263-267
- Lizama, G., T. Andrade, and R. Benton. 1 - 6 GHz GaAs MMIC linear attenuator with integral drivers; *MCS 87* 105-107
- Lizama, G., T. Andrade, and R. Benton. 1 - 6 GHz GaAs MMIC linear attenuator with integral drivers; *MWSYM 87 Vol. 1* 97-99
- Lizama, G., see Ramachandran, R., *T-MTT Dec 87* 1471-1476
- Lloyd, F. L., see Räsänen, A. V., *MWSYM 85* 669-672
- Lloyd, F. L., see Räsänen, A. V., *T-MTT Dec 85* 1495-1500
- Lloyd, F. L., see Räsänen, A. V., *MWSYM 87 Vol. 2* 929-930
- Lloyd, F. L., see Crété, D.-G., *T-MTT Apr 87* 435-440
- Lo, K. W., and T. B. Vu. Comments, with reply, on 'p-i-n diode attenuator with small phase shift' by R. J. Baeten et al. (Original paper, Apr 88 789-791); *T-MTT Nov 88* 1540
- Lo, Y. T., see Davidovitz, M., *T-MTT May 87* 510-515
- Loane, J., H. Ling, B. F. Wang, and S.-W. Lee. Experimental investigation of a retro-focusing microwave hyperthermia applicator: Conjugate-field matching scheme; *T-MTT May 86* 490-494
- Loboda, M. J., T. E. Parker, and G. K. Montress. Frequency stability of L-band, two-port dielectric resonator oscillators; *MWSYM 87 Vol. 2* 859-862
- Loboda, M. J., T. E. Parker, and G. K. Montress. Frequency stability of L-band, two-port dielectric resonator oscillators; *T-MTT Dec 87* 1334-1339
- LoCasio, C. M., see Potoczniak, J. J., *T-MTT May 82* 724-728
- LoCasio, C. M., see Novick, G., *T-MTT Nov 82* 2034-2036
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- Löchel, N., see Gesche, R., *T-MTT Jan 88* 137-144
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- Loescher, D., see MacFarland, A., *MWSYM 87 Vol. 2* 633-636
- Logan, R. A., see Reinhart, F. K., *T-MTT Apr 82* 609-612
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- Londono, J., see Novick, G., *T-MTT Nov 82* 2034-2036
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- Long, S. I., see Yuen, A. T., *CORNEL 87* Paper 21
- Long, S. I., see Rao, M. A., *CORNEL 87* Paper 33
- Long, Y., M. Koshiba, and M. Suzuki. Finite-element solution of planar inhomogeneous waveguides for magnetostatic waves; *T-MTT Aug 87* 731-736
- Longley, S. R., see Booth, P. L., *T-MTT Jan 81* 6-10
- Lopuch, S. L., and T. K. Ishii. Field distribution of two conducting posts in a waveguide; *T-MTT Jan 84* 29-33
- Lord, J. L. M., and J. L. Fikart. FET upconverter design using load dependent mixing transconductance; *MWSYM 88 Vol. 2* 1089-1092
- Lösch, I. E., see Malherbe, J. A. G., *MWSYM 84* 505-507
- Lösch, I. E., see Malherbe, J. A. G., *T-MTT Jun 85* 539-543
- Lösch, I. E., and J. A. G. Malherbe. Design procedure for inhomogeneous coupled line sections; *T-MTT Jul 88* 1186-1190
- Löser, E. H. Transfer properties of the upper-sideband varactor upconverter; *MWSYM 84* 158-160
- Löser, E. H. An experimental linearized power upconverter for SSB signals; *MWSYM 85* 665-668
- Lott, U. A method for measuring magnitude and phase of harmonics generated in nonlinear microwave two-ports; *MWSYM 88 Vol. 1* 225-228
- Louie, K., see Chang, K., *T-MTT Feb 83* 146-154

- Loukas, S., see Yova, D., *T-MTT Aug 84* 891-893
- Love, J. D., and A. W. Snyder. Comments, with reply, on 'Refraction at a curved dielectric interface: Geometrical optics solution' by S.-W. Lee, et al. (Original paper, Jan 82 12-19); *T-MTT Oct 83* 853
- Lovisolio, G. A., M. Adami, G. Arcangeli, A. Borroni, G. Calamai, A. Cividalli, and F. Mauro. A multifrequency water-filled waveguide applicator: Thermal dosimetry *in vivo* (Short p.); *T-MTT Aug 84* 893-896
- Low, S. W-band crossbar mixers integrated entirely on a single-sided substrate yielding 15 GHz instantaneous bandwidth; *MWSYM 87 Vol. 2* 595-597
- Lu, S.-T., see Roberts, N. J., Jr., *T-MTT Aug 84* 803-807
- Lu, S.-T., see Williams, W. M., *T-MTT Aug 84* 808-818
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- Luhmann, N. C., Jr., see Hwu, R. J., *MWSYM 88 Vol. 1* 533-537
- Luhmann, N. C., Jr., see Batelaan, P. D., *T-MTT Apr 88* 694-700
- Luhmann, N. C., Jr., see Lam, W. W., *T-MTT May 88* 902-907
- Luhmann, N. C., Jr., see Jou, C. F., *T-MTT Nov 88* 1507-1514
- Luijendijk, J. A., see Khoe, G.-D., *T-MTT Oct 82* 1561-1568
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- Luk, K. M., see Yu, P. K., *T-MTT Jun 84* 641-645
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- Lundén, H. B., see Linnér, L. J. P., *T-MTT Aug 86* 892-896
- Lundien, K., R. J. Mattauch, J. W. Archer, and R. Malik. Hyperabrupt junction varactor diodes for millimeter-wavelength harmonic generators (Short p.); *T-MTT Feb 83* 235-238
- Lundqvist, S. L. G. A penetrable dielectric waveguide with periodically varying circular cross section; *T-MTT Mar 87* 282-287
- Lundqvist, S. L. G. Electromagnetic waves in a cylindrical waveguide with infinite or semi-infinite wall corrugations; *T-MTT Jan 88* 28-33
- Luo, G. H., see Buckley, M. J., *MWSYM 88 Vol. 2* 797-800
- Lusignan, B. B., see Estabrook, P., *MWSYM 88 Vol. 2* 1107-1110
- Lutz, C. R., and A. P. Defonzo. Optoelectronic generation and sensing of millimeter waves; *MWSYM 87 Vol. 2* 645-648
- Luy, J. F., see Buchler, J., *MCS 88* 67-70
- Lyapin, V. P., V. S. Mikhailovsky, and G. P. Sinyavsky. Taking into account the edge condition in the problem of diffraction waves on step discontinuity in plate waveguide (Short p.); *T-MTT Jul 82* 1107-1109
- Lynch, D. R., see Paulsen, K. D., *T-MTT Apr 88* 682-693
- Lyon, R. W., and J. Helszajn. A finite element analysis of planar circulators using arbitrarily shaped resonators; *T-MTT Nov 82* 1964-1974
- Lyras, A. D., J. A. Roumelliotis, J. D. Kanellopoulos, and J. G. Fikioris. Analysis of the hybrid modes for an eccentrically clad fiber (Short p.); *T-MTT Nov 83* 945-950
- Lyu, L.-H., see Chu, K. R., *T-MTT Jun 86* 690-695
- M
- Ma, J. Y. L., see Brand, G. F., *T-MTT Jan 84* 58-64
- Ma, J. Y. L. A new cylindrical electron gun for low-power tunable gyrotrons with high magnetic compression ratios (Short p.); *T-MTT Apr 85* 323-327
- Ma, L., see Rozzi, T., *T-MTT Mar 88* 542-551
- Ma, Y., see Varadan, V. K., *T-MTT Feb 86* 251-258
- Ma, Y. E., E. M. Nakaji, and W. F. Thrower. V-band double-drift Read silicon IMPATTs; *MWSYM 84* 167-168
- Maas, S. A., see Alexopoulos, N. G., *T-MTT Aug 82* 1267-1270
- Maas, S. A., see Alexopoulos, N. G., *T-MTT Aug 83* 671-674
- Maas, S. A. Analysis and design of GaAs MESFET mixers; *MWSYM 84* 432-433
- Maas, S. A. Theory and analysis of GaAs MESFET mixers (Short p.); *T-MTT Oct 84* 1402-1406
- Maas, S. A. Design and performance of a 45-GHz HEMT mixer; *T-MTT Jul 86* 799-803
- Maas, S. A. A GaAs MESFET balanced mixer with very low intermodulation; *MWSYM 87 Vol. 2* 895-898
- Maas, S. A. Two-tone intermodulation in diode mixers; *T-MTT Mar 87* 307-314
- Maas, S. A. A GaAs MESFET mixer with very low intermodulation; *T-MTT Apr 87* 425-429
- Maas, S. A. A general-purpose computer program for the Volterra-series analysis of nonlinear microwave circuits; *MWSYM 88 Vol. 1* 311-314
- Mabaya, N., P. E. Lagasse, and P. Vandenbulcke. Finite element analysis of optical waveguides; *T-MTT Jun 81* 600-605
- Mabire, J. P., see Nussbaum, G. H., *T-MTT May 86* 620-625
- MacChesney, J. B., see Nagel, S. R., *T-MTT Apr 82* 305-322
- Macchiarella, G., see Stracca, G. B., *T-MTT Mar 86* 359-363
- MacFarland, A., J. Purviance, D. Loescher, K. Diegert, and T. Ferguson. Centering and tolerancing the components of microwave amplifiers; *MWSYM 87 Vol. 2* 633-636
- Machida, S., see Sakai, J.-i., *T-MTT Apr 82* 334-341
- Mack, R. B., see Damaskos, N. J., *T-MTT Apr 84* 400-405
- Macksey, H. M., H. Q. Tserng, and H. D. Shih. A 2-W Ku-band monolithic GaAs FET amplifier; *MCS 85* 27-30
- Maclean, D. J. H. Comments on 'The matched feedback amplifier: Ultrawide-band microwave amplification with GaAs MESFETs' by K. B. Niclas, et al. (Original paper, Apr 80 285-294); *T-MTT Jun 81* 619-621
- Maclean, D. J. H. Stability margins in microwave amplifiers; *T-MTT Mar 84* 237-242
- MacMaster, G., see Mallavarpu, R., *MWSYM 85* 387-390
- MacPherson, A. C., see Cohen, E. D., *T-MTT Jul 81* 636-642
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- MacPhie, R. H., see Pramanick, P., *MWSYM 87 Vol. 2* 703-706
- MacPhie, R. H., see Mansour, R. R., *T-MTT Dec 87* 1382-1391
- MacPhie, R. H., see Mansour, R. R., *MWSYM 88 Vol. 2* 713-716
- MacPhie, R. H., see Mansour, R. R., *T-MTT Dec 88* 1825-1832
- Madhian, M., and S. Mizushima. Combining the powers from multiple-device oscillators; *T-MTT Aug 82* 1228-1233
- Madhian, M., A. Materka, and S. Mizushima. A multiple-device cavity oscillator using both magnetic and electric coupling mechanisms; *T-MTT Nov 82* 1939-1944
- Madhian, M., and S. Mizushima. A 3M-device cavity-type power combiner; *T-MTT Sep 83* 731-735
- Madhian, M., see Honjo, K., *T-MTT Apr 86* 436-441
- Madhian, M., and K. Honjo. GaAs-monolithic IC's for an X-band PLL-stabilized local source; *T-MTT Jun 86* 707-713
- Madhian, M., see Hayama, N., *MWSYM 88 Vol. 2* 679-682
- Madjar, A., and F. J. Rosenbaum. A large-signal model for the GaAs MESFET; *T-MTT Aug 81* 781-788
- Madjar, A. Analysis of a microwave FET oscillator using an efficient computer model for the device (Short p.); *T-MTT Jun 82* 915-917
- Madjar, A., and J. Dreifuss. Large-signal microwave performance prediction of dual-gate GaAs MESFET using an efficient and accurate model (Short p.); *T-MTT Jul 85* 639-643
- Madjar, A., see Dreifuss, J., *T-MTT Nov 85* 1241-1244
- Madjar, A. A fully analytical AC large-signal model of the GaAs MESFET for nonlinear network analysis and design; *T-MTT Jan 88* 61-67
- Madni, A. M., see Vuong, J. B., *MWSYM 84* 161-163
- Madni, A. M., see Stilwell, G. W., *MWSYM 85* 200-203
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- Madsen, K., see Bandler, J. W., *T-MTT Feb 88* 444-455
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- Magalhaes, F. M., J. P. Beccone, J. C. Irvin, S. J. Perelli, and W. O. W. Schlosser. A 6 Watt 6 GHz GaAs FET power module with GaAs matching circuits; *MWSYM 84* 437-438
- Magarshack, J., see Parisot, M., *MCS 84* 91-95
- Magarshack, J., see Parisot, M., *MWSYM 84* 106-110
- Magarshack, J. European MMIC activities; *MWSYM 88 Vol. 2* 645-648
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- Magee, C. W., see Rosen, A., *T-MTT Jan 82* 47-55
- Magerko, M. A., and E. W. Strid. A technique for improving the accuracy of wafer probe measurements; *MWSYM 88 Vol. 1* 241-244
- Magerl, G., and P. W. Froehling. Ridged waveguides for ultra-broad-band light modulators; *T-MTT Mar 82* 220-226
- Magerlein, J. H., see Kiehl, R. A., *CORNEL 87* Paper 19
- Magid, M., see Dileo, R., *T-MTT Feb 84* 219
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- Maki, D. W., J. M. Schellenberg, H. Yamasaki, and L. C. T. Liu. A 69 GHz monolithic FET oscillator; *MWSYM 84* 39-42
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- Malherbe, J. A. G.**, see Olivier, J. C., *MWSYM 86* 415-416
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- Malherbe, J. A. G.**, and J. C. Coetzee. Bandstop filter in nonradiative dielectric waveguide using rectangular resonators; *T-MTT Dec 87* 1161-1163
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- Mansour, R. R.**, R. S. K. Tong, and R. H. MacPhie. Simplified description of the field distribution in finlines and ridge waveguides and its application to the analysis of E-plane discontinuities; *T-MTT Dec 88* 1825-1832
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- McKay, T., and R. E. Williams. A high performance 2 - 18.5 GHz distributed amplifier, theory and experiment; *MWSYM 86* 825-829
- McKay, T., J. Eisenberg, and R. E. Williams. A high-performance 2 - 18.5-GHz distributed amplifier—Theory and experiment; *T-MTT Dec 86* 1559-1568
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- McQuiddy, D. N., Jr. The 1982 IEEE MTT-S International Microwave Symposium; *T-MTT Dec 82* 2085-2093
- McQuiddy, D. N., Jr., J. W. Wassel, J. B. Lagrande, and W. R. Wiseman. Monolithic microwave integrated circuits—An historical perspective; *T-MTT Sep 84* 997-1008
- McWright, G. M., see Batchman, T. E., *T-MTT Apr 82* 628-634
- McWright, G. M., T. E. Batchman, and M. S. Stanziano. Measurement and analysis of periodic coupling in silicon-clad planar waveguides; *T-MTT Oct 82* 1753-1759
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- Mechling, J. A., see Wong, T. Z., *T-MTT May 86* 560-567
- Medina, F., see Marqués, R., *T-MTT May 85* 424-428
- Medina, F., and M. Horno. Determination of Green's function matrix for multiconductor and anisotropic multidielectric planar transmission lines: A variational approach; *T-MTT Oct 85* 933-940
- Medina, F., see Horno, M., *MWSYM 86* 283-286
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- Medina, F., see Horno, M., *T-MTT Dec 86* 1442-1449
- Medina, F., and M. Horno. Capacitance and inductance matrices for multistrip structures in multilayered anisotropic dielectrics; *T-MTT Nov 87* 1002-1008
- Medinger, J., see Canfield, P. C., *CORNEL 87* Paper 30
- Meehan, M. D., see Purviance, J., *T-MTT Feb 88* 413-417
- Mehalic, M. A., C. H. Chan, and R. Mittra. Investigation of tapered multiple microstrip lines for VLSI circuits; *MWSYM 88 Vol. 1* 215-218
- Mehdizadeh, M., T. K. Ishii, J. S. Hyde, and W. Froncisz. Loop-gap resonator: A lumped mode microwave resonant structure; *T-MTT Dec 83* 1059-1064. Correction; *Feb 84* 219
- Mehdizadeh, M., and B. Smilowitz. High speed varactor tuned notch filter; *MWSYM 85* 531-534
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- Mei, K. K., see Zhang, X., *T-MTT Dec 88* 1775-1787
- Meier, P. J., J. A. Calviello, and P. R. Bie. Wide-band subharmonically pumped W-band mixer in single-ridge fin-line; *T-MTT Dec 82* 2184-2189
- Meier, P. J. E-plane W-band printed-circuit balanced mixer (Short p.); *T-MTT Feb 83* 227-230
- Meier, P. J., J. A. Calviello, A. J. Cappello, L. D. Cohen, R. J. Pomian, and P. R. Bie. Integrated Ka-band front end with monolithic mixer; *MWSYM 85* 151-154
- Meier, P. J. Printed-circuit Ka-band mixer with compact filter for step-tuned LO; *MWSYM 86* 645-648
- Meier, P. J., J. A. Calviello, A. J. Cappello, R. J. Pomian, L. D. Cohen, and P. R. Bie. Ka-band front end with monolithic, hybrid, and lumped-element IC's; *T-MTT Apr 86* 412-419
- Meierer, R., see Tsironis, C., *T-MTT Mar 82* 243-251
- Meierer, R., see Tsironis, C., *T-MTT Mar 84* 248-255
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- Meinel, H. Integrated millimeter-wave systems and subsystems using fin-line and related E-plane technologies; *T-MTT Dec 85* 1538-1541
- Meinel, H. Millimeter-wave systems and applications in Europe; *MWSYM 88 Vol. 2* 649-653
- Meissner, K. E., see Binari, S. C., *MWSYM 88 Vol. 2* 683-686
- Meissner, K. E., see Binari, S. C., *T-MTT Dec 88* 1695-1700
- Meissner, P., see Lengyel, G., *T-MTT Apr 82* 464-471
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- Mellor, D. J. Improved computer-aided synthesis tools for the design of matching networks for wideband microwave amplifiers; *MWSYM 86* 543-546
- Mellor, D. J. Improved computer-aided synthesis tools for the design of matching networks for wide-band microwave amplifiers; *T-MTT Dec 86* 1276-1281
- Mellor, D. J. CAD synthesis of interstage networks for multi-stage amplifiers with a wide range of topologies; *MWSYM 88 Vol. 1* 323-326
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- Mendecki, J., see Sterzer, F., *MWSYM 85* 90-92
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- Menk, G. E., R. A. Sadler, M. L. Balzan, A. E. Geissberger, I. J. Bahl, and H. Lee. Microwave operation of heterostructure isolated-gate FETs; *CORNEL 87* Paper 18
- Menna, R. J., see Kumar, M., *T-MTT Oct 81* 1098-1102
- Menna, R. J., see Kumar, M., *T-MTT Nov 81* 1229-1231
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- Menzel, W., and H. Callsen. Integrated fin-line components and subsystems at 60 and 94 GHz; *T-MTT Feb 83* 142-146
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- Menzel, W., and H. Callsen. 140-GHz finline components (Short p.), *T-MTT Jan 85* 53-56
- Menzer, D., see Gutmann, R. J., *MWSYM 86* 389-392
- Merenda, J. L., D. Neuf, and P. Piro. 4 to 40 GHz even harmonic Schottky mixer; *MWSYM 88 Vol. 2* 695-698
- Merrill, J. D., see Jacob-Hood, A. W., *MCS 87* 81-84
- Messick, L. R., Nguyen, and D. A. Collins. Planar ion-implanted high-power InP MISFETs; *CORNEL 87* Paper 22
- Meszaros, S., C. J. Verver, R. J. Douville, and W. J. R. Hoefer. An integrated 18.75/37.5 GHz FET frequency doubler; *MWSYM 88 Vol. 2* 815-818
- Metrou, N. M., J. D. Kanellopoulos, J. A. Roumeliotis, and J. G. Fikioris. Analysis of the symmetrical modes for an eccentrically cladded fiber; *T-MTT Mar 82* 217-220
- Mettler, S. C., see Philen, D. L., *T-MTT Oct 82* 1487-1496
- Meunier, J. P., J. Pigeon, and J. N. Massot. Comments on 'A simple numerical method for the cutoff frequency of a single-mode fiber with an arbitrary index-profile' by Sharma, A., and Ghatak, A. K. (Original paper, *Jun 81* 607-610), *T-MTT Jan 82* 108-109
- Meyer, K., see Lawton, R. A., *T-MTT Apr 87* 450-453
- Meyer, W. Helical resonators for measuring dielectric properties of materials; *T-MTT Mar 81* 240-247
- Meyer, W., and W. M. Schilz. Feasibility study of density-independent moisture measurement with microwaves; *T-MTT Jul 81* 732-739
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- Meys, R. P. A triple-through method for characterizing test fixtures; *T-MTT Jun 88* 1043-1046
- Mezger, P. G. 50 years of radio astronomy; *T-MTT Sep 84* 1224-1229
- Miao, J.-F., and T. Itoh. Hollow image guide and overlaid image guide coupler; *T-MTT Nov 82* 1826-1831.
- Comments, with reply, by Prieto, A., et al., *Sep 83* 785-786
- Miao, J.-F., and T. Itoh. Coupling between microstrip line and image guide through small apertures in the common ground plane (Short p.); *T-MTT Apr 83* 361-363
- Miazga, P., see Morawski, T., *MWSYM 84* 378-380

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- Michaelson, S. M., see Williams, W. M., *T-MTT Aug 84* 808-818
- Michalski, K. A., and R. D. Nevels. On the use of the Coulomb gauge in solving source-excited boundary value problems of electromagnetics; *T-MTT Sep 88* 1328-1333
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- Miles, R. E., and M. J. Howes. Large-signal equivalent-circuit model of a GaAs dual-gate MESFET mixer (Short p.); *T-MTT May 85* 433-436
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- Miner, W. H., Jr., see Vitello, P., *T-MTT Apr 84* 373-386
- Miner, W. H., Jr., P. Vitello, and A. T. Drobot. Theory and numerical simulation of a TE₁₁ gyroresonant accelerator; *T-MTT Oct 84* 1293-1301
- Minford, W. J., see Korotky, S. K., *T-MTT Oct 82* 1784-1789
- Minford, W. J., S. K. Korotky, and R. C. Alferness. Low-loss Ti:LiNbO₃ waveguide bends at 1.3 μ m; *T-MTT Oct 82* 1790-1794
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- Mink, J. W. Quasi-optical power combining of solid-state millimeter-wave sources; *T-MTT Feb 86* 273-279
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- Minnis, B. J. Printed circuit coupled-line filters for bandwidths up to and greater than an octave; *T-MTT Mar 81* 215-222
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- Minot, M. M. Thermal characterization of microwave power FETs using nematic liquid crystals; *MWSYM 86* 495-498
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- Mirshekar-Syahkal, D., and J. B. Davies. Accurate analysis of tapered planar transmission lines for microwave integrated circuits; *T-MTT Feb 81* 123-128
- Mirshekar-Syahkal, D., and J. B. Davies. Accurate analysis of coupled strip-finline structure for phase constant, characteristic impedance, dielectric and conductor losses; *T-MTT Jun 82* 906-910
- Mirshekar-Syahkal, D., and J. B. Davies. An accurate, unified solution to various fin-line structures, of phase constant, characteristic impedance, and attenuation; *T-MTT Nov 82* 1854-1861
- Mirshekar-Syahkal, D., see Chua, Y. L., *T-MTT Aug 83* 685-687
- Mirshekar-Syahkal, D. An accurate determination of dielectric loss effect in monolithic microwave integrated circuits including microstrip and coupled microstrip lines (Short p.); *T-MTT Nov 83* 950-954
- Mishra, P. K., A. Sharma, S. Labroo, and A. K. Ghatak. Scalar variational analysis of single-mode waveguides with rectangular cross section (Short p.); *T-MTT Mar 85* 282-286
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- Mishra, U. K., R. S. Beaubien, M. J. Delaney, A. S. Brown, and L. H. Hackett. Low noise 0.1 μ m GaAs MESFETs by MBE; *CORNEL 87* Paper 23
- Misra, D. K. Permittivity measurement of modified infinite samples by a directional coupler and sliding load (Short p.); *T-MTT Jan 81* 65-67
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- Mitsui, Y., M. Kobiki, M. Wataze, K. Segawa, M. Otsubu, and T. K. Ishii. 10-GHz 10-W internally matched flip-chip GaAs power FET's; *T-MTT Apr 81* 304-309
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- Miyagi, M., K. Harada, and S. Kawakami. Wave propagation and attenuation in the general class of circular hollow waveguides with uniform curvature; *T-MTT May 84* 513-521
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- Mizumoto, T., H. Yamazaki, and Y. Naito. Phase-matched waveguide using the artificial anisotropic structure and its application to a mode converter (Short p.); *T-MTT Feb 85* 149-152
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- Mizuno, H., C. J. Verver, R. J. Douville, and M. G. Stubbs. Propagation in broadside-coupled suspended-substrate stripline in E-plane; *T-MTT Oct 85* 946-951
- Mizunuma, Y., T. Ohgihara, H. Nakano, T. Okamoto, and Y. Murakami. A 13-GHz YIG-film tuned oscillator for VSAT applications; *MWSYM 88 Vol. 2* 1085-1088
- Mizunuma, Y., Y. Murakami, H. Nakano, T. Ohgihara, and T. Okamoto. A 13 GHz YIG film tuned oscillator for VSAT applications (Short p.); *T-MTT Dec 88* 1885-1889
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- Mizushima, S., H. Oh-ishi, and Y. Hamamura. A three-band microwave radiometer for noninvasive temperature measurement; *MWSYM 84* 145-147
- Mizushima, S., Y. Hamamura, and T. Sugiura. A three-band microwave radiometer system for noninvasive measurement of the temperature at various depths; *MWSYM 86* 759-762

- Mizushima, S., Y. Xiang, and T. Sugiura. A large waveguide applicator for deep regional hyperthermia. *T-MTT May 86* 644-648
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- Mock, P. M., and R. J. Trew. Sensitivity of GaAs IMPATT diodes to variations in design parameters; *CORNEL 87* Paper 46
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- Moghe, S. B., and R. Genin. A low-cost, 3 - 7 GHz, 1/2 Watt MMIC GaAs amplifier; *MCS 86* 9-12
- Moghe, S. B., and R. Genin. A low cost, 3 - 7 GHz, 1/2 watt MMIC GaAs amplifier; *MWSYM 86* 807-810
- Moghe, S. B., and R. Genin. A high-yield, 3 - 7-GHz, 0.5-W MMIC GaAs amplifier; *T-MTT Dec 86* 1538-1541
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- Mohsenian, N., T. J. Delph, and D. M. Bolle. Analysis of waveguiding structures employing surface magnetoplasmons by the finite-element method (Short p.); *T-MTT Apr 87* 464-468
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- Moldovan, N., see Kim, C. S., *MWSYM 88 Vol. 2* 669-671
- Moll, N. Heterojunction bipolar transistors—A review; *CORNEL 85* 35-44
- Moller, P. E., and R. H. MacPhie. On the graphical representation of electric field lines in waveguide; *T-MTT Mar 85* 187-192
- Mollier, J.-C., and M. Valentin. Microwave helix waveguide absorption cell for passive frequency standard (Short p.); *T-MTT Jul 84* 721-722
- Mollier, J.-C., see Hu, Y., *T-MTT Feb 86* 245-250
- Mollier, J.-C., see Escotte, L., *MWSYM 88 Vol. 2* 919-922
- Momoi, H., see Kobayashi, M., *T-MTT Mar 88* 588-593
- Momoi, H., see Kobayashi, M., *T-MTT Oct 88* 1406-1410
- Monaco, V. A., see Filicori, F., *MWSYM 86* 393-396
- Mondal, J. P., A. G. Milnes, J. G. Oakes, and S.-K. Wang. Phase shifts in single- and dual-gate GaAs MESFETs for 2 - 4-GHz quadrature phase shifters; *T-MTT Oct 84* 1280-1288
- Comments, with reply, by Vicks, H.-O., *Feb 87* 215
- Mondal, J. P. An experimental verification of a simple distributed model of MIM capacitors for MMIC applications; *T-MTT Apr 87* 403-408
- Mondal, J. P. Lumped and distributed scaling of MESFETs; *MWSYM 88 Vol. 1* 351-354
- Mondal, J. P., and T.-H. Chen. Propagation constant determination in microwave fixture de-embedding procedure; *T-MTT Apr 88* 706-714
- Mondal, J. P. Frequency normalization of constant power contours for MESFETs (Short p.); *T-MTT Jun 88* 1107-1110
- Monerie, M. Propagation in doubly clad single-mode fibers; *T-MTT Apr 82* 381-388
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- Mongiardo, M., see Bardati, F., *MWSYM 86* 763-766
- Mongiardo, M., see Bardati, F., *T-MTT May 86* 579-583
- Mongiardo, M., see Bardati, F., *MWSYM 88 Vol. 1* 165-168
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- Monteith, D., see Purviance, J., *MWSYM 88 Vol. 1* 375-378
- Monteith, D., and J. Purviance. High-yield narrow-band matching structures; *T-MTT Dec 88* 1621-1628
- Montress, G. K., see Grudkowski, T. W., *T-MTT Dec 81* 1348-1356
- Montress, G. K., see Loboda, M. J., *MWSYM 87 Vol. 2* 859-862
- Montress, G. K., see Loboda, M. J., *T-MTT Dec 87* 1334-1339
- Montrosset, I., see Daniele, V., *T-MTT Aug 85* 740-741
- Mooney, D. W., and F. J. Bayuk. Injection locking performance of a 41-GHz 10-W power combining amplifier; *T-MTT Feb 83* 171-177
- Moore, C. R., and D. Neff. Experimental evaluation of a ruby maser at 43 GHz (Short p.); *T-MTT Nov 82* 2013-2015
- Moore, D. R., see Stowe, D. W., *T-MTT Oct 82* 1632-1635
- Moore, R. A., see Jones, N. G., *T-MTT May 81* 451-456
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- Morawski, T., J. Zborowska, and P. Miazga. Multi-octave phase modulators; *MWSYM 84* 378-380
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- Morgenthaler, F. R., see Rappaport, C. M., *T-MTT Dec 87* 1322-1327
- Mori, H., and N. Shimizu. Multimode deposited silica waveguide and its application to an optical branching circuit; *T-MTT Apr 82* 622-627
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- Moriki, K., and K. Iga. Single transverse mode condition of lens-like strip waveguide GaInAsP/InP lasers; *T-MTT Oct 82* 1684-1691
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- Morishita, K. Numerical analysis of pulse broadening in graded index optical fibers; *T-MTT Apr 81* 348-352
- Morishita, K., H. Ikeda, and N. Kumagai. Compensation of intermodal dispersion by splicing two graded-index multimode fibers; *T-MTT May 82* 694-700
- Morishita, K., Y. Obata, and N. Kumagai. An exact analysis of group velocity for propagation modes in optical fibers; *T-MTT Nov 82* 1821-1826
- Morishita, K. Hybrid modes in circular cylindrical optical fibers; *T-MTT Apr 83* 344-350
- Morita, N. A method extending the boundary condition for analyzing guided modes of dielectric waveguides of arbitrary cross-sectional shape; *T-MTT Jan 82* 6-12
- Morita, N., see Nishimura, E., *T-MTT Nov 83* 923-930.
- Morita, N. Comments, with reply, on "Application of boundary-element method to electromagnetic field problems" by S. Kagami and I. Fukai (Original paper, Apr 84 455-461). *T-MTT Apr 85* 346-347
- Morita, N., T. Hamasaki, and N. Kumagai. An optimal excitation method in multi-appliator systems for forming a hot zone inside the human body; *T-MTT May 86* 532-538
- Morkoc, H., see Masselink, W. T., *CORNEL 85* 136-143
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- Moschuring, H., and I. Wolff. Inhomogeneous open-ended resonators as microwave sensor elements; *MWSYM 84* 187-189
- Mosig, J. R., and T. K. Sarkar. Comparison of quasi-static and exact electromagnetic fields from a horizontal electric dipole above a lossy dielectric backed by an imperfect ground plane; *T-MTT Apr 86* 379-387
- Mosig, J. R. Arbitrarily shaped microstrip structures and their analysis with a mixed potential integral equation; *T-MTT Feb 88* 314-323
- Moslehi, B., see Jackson, K. P., *T-MTT Mar 85* 193-210
- Moss, J. F. AM - AM and AM - PM measurements using the PM null technique (Short p.); *T-MTT Aug 87* 780-782
- Mostafa, A. A., C. M. Krowne, and K. A. Zaki. Numerical spectral matrix method for propagation in anisotropic layered media, *MWSYM 87 Vol. 1* 311-314
- Mostafa, A. A., C. M. Krowne, and K. A. Zaki. Numerical spectral matrix method for propagation in general layered media: Application to isotropic and anisotropic substrates; *T-MTT Dec 87* 1399-1407
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- Mott, R. A. GaAs monolithic 6-GHz low-noise amplifier for satellite receivers; *MWSYM 87 Vol. 2* 561-564
- Mouis, M., J.-F. Pône, R. Hesto, and R. Castagné. Aspect ratio phenomena in the high electron mobility transistor; *CORNEL 85* 144-153
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- Mozzi, R. L., see Ayasli, Y., *MCS 84* 11-13
- Mozzi, R. L., see Ayasli, Y., *MCS 84* 52-54
- Mozzi, R. L., see Ayasli, Y., *T-MTT Mar 84* 290-295
- Mrozowski, M., and J. Mazur. General analysis of a parallel-plate waveguide inhomogeneously filled with gyromagnetic media; *T-MTT Apr 86* 388-395. Correction, Apr 87 472
- Mrozowski, M. An efficient algorithm for finding zeros of a real function of two variables (Short p.); *T-MTT Mar 88* 601-604
- Mu, T.-C., H. Ogawa, and T. Itoh. Characteristics of multiconductor, asymmetric, slow-wave microstrip transmission lines; *MWSYM 86* 695-698
- Mu, T.-C., H. Ogawa, and T. Itoh. Characteristics of multiconductor, asymmetric, slow-wave microstrip transmission lines; *T-MTT Dec 86* 1471-1477
- Mueller, R. S. Microwave radiation from a magnetic dipole in an azimuthally magnetized ferrite cylinder (Short p.); *T-MTT Jul 86* 828-831
- Mukai, T., and Y. Yamamoto. Noise in an AlGaAs semiconductor laser amplifier; *T-MTT Apr 82* 410-421
- Mukai, T., Y. Yamamoto, and T. Kimura. S/N and error rate performance in AlGaAs semiconductor laser preamplifier and linear repeater systems; *T-MTT Oct 82* 1548-1556
- Müller-Gronau, W., see Beyer, A., *MWSYM 84* 345-347
- Muller, J., see Uhde, K., *MWSYM 88 Vol. 2* 1075-1078
- Muller, M. W., *Guest Ed.* Editor's overview of special 1985 symposium issue; *T-MTT Dec 85* 1298
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- Mur, G. The modeling of singularities in the finite-difference approximation of the time-domain electromagnetic-field equations; *T-MTT Oct 81* 1073-1077
- Muraguchi, M., K. Araki, and Y. Naito. A new type of isolator for millimeter-wave integrated circuits using a nonreciprocal traveling-wave resonator; *T-MTT Nov 82* 1867-1873
- Muraguchi, M., T. Yukitake, and Y. Naito. Optimum design of 3-dB branch-line couplers using microstrip lines (Short p.); *T-MTT Aug 83* 674-678
- Muraguchi, M., T. Hirota, A. Minakawa, K. Ohwada, and T. Sugeta. Uniplanar MMICs and their applications; *MCS 88* 75-78
- Muraguchi, M., T. Hirota, A. Minakawa, K. Ohwada, and T. Sugeta. Uniplanar MMIC's and their applications; *T-MTT Dec 88* 1896-1901

- Murakami, Y., see Kojima, N., *T-MTT Apr 82* 579-586
- Murakami, Y., K. Noguchi, F. Ashiya, Y. Negishi, and N. Kojima. Maximum measurable distances for a single-mode optical fiber fault locator using the stimulated Raman scattering (SRS) effect; *T-MTT Oct 82* 1461-1465
- Murakami, Y., see Komatsu, Y., *T-MTT Jan 83* 34-40
- Murakami, Y., and S. Itoh. A bandpass filter using YIG film grown by LPE; *MWSYM 85* 285-288
- Murakami, Y., T. Ohgihara, and T. Okamoto. A 0.5 - 4.0 GHz tunable bandpass filter using YIG film grown by LPE; *MWSYM 87 Vol. 1* 371-374
- Murakami, Y., T. Ohgihara, and T. Okamoto. A 0.5 - 4.0-GHz tunable bandpass filter using YIG film grown by LPE; *T-MTT Dec 87* 1197-1198
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- N
- Nachman, M., and G. Turgeon. Heating pattern in a multilayered material exposed to microwaves (Short p.); *T-MTT May 84* 547-552
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- Nair, N. V., and A. K. Mallick. An analysis of a width-modulated microstrip periodic structure (Short p.); *T-MTT Feb 84* 200-204
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- Naito, Y., see Kim, D. I., *T-MTT Nov 82* 2040-2046
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- Najjar, F. E., D. C. Radulescu, Y.-K. Chen, G. W. Wicks, P. J. Tasker, and L. F. Eastman. Characterization of the AlGaAs/GaAs tunneling emitter bipolar transistor; *CORNEL 87* Paper 34
- Nakagawa, K., see Iwashita, K., *T-MTT Oct 82* 1657-1662
- Nakagawa, M., see Takahashi, Y., *MWSYM 85* 86-89
- Nakajama, H., T. Horimatsu, M. Seino, and I. Sawaki. Crosstalk characteristics of Ti - LiNbO₃ intersecting waveguides and their application as TE/TM mode splitters; *T-MTT Apr 82* 617-622
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- Nakajima, M., see Konishi, Y., *T-MTT Jun 88* 1057-1063
- Nakajima, N., and R. Watanabe. A quasioptical circuit technology for shortmillimeter-wavelength multiplexers; *T-MTT Sep 81* 897-905
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- Nakamura, M., and N. Chinone. Devices and components for lightwave transmission systems; *MWSYM 88 Vol. 2* 897-900
- Nakano, H., see Mizunuma, Y., *MWSYM 88 Vol. 2* 1085-1088
- Nakano, H., see Mizunuma, Y., *T-MTT Dec 88* 1885-1889
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- Nakata, T.-a., S.-i. Miyazaki, and K. Shiratori. 0.5 - 2.6 GHz Si-monolithic wideband amplifier IC; *MCS 85* 58-62
- Nakata, T.-a., S.-i. Miyazaki, and K. Shiratori. 0.5 - 2.6 GHz Si-monolithic wideband amplifier IC; *MWSYM 85* 55-59
- Nakatani, A., and N. G. Alexopoulos. A generalized algorithm for the modeling of the dispersive characteristics of microstrip, inverted microstrip, stripline, slotline, finline, and coplanar waveguide circuits on anisotropic substrates; *MWSYM 85* 457-459
- Nakatani, A., and N. G. Alexopoulos. Toward a generalized algorithm for the modeling of the dispersive properties of integrated circuit structures on anisotropic substrates; *T-MTT Dec 85* 1436-1441
- Nakatani, A., and N. G. Alexopoulos. Microstrip circuit elements on cylindrical substrates; *MWSYM 87 Vol. 2* 739-742
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- Nakatani, A., and N. G. Alexopoulos. Coupled microstrip lines on a cylindrical substrate; *T-MTT Dec 87* 1392-1398
- Nakayama, K., see Shibata, K., *MWSYM 86* 75-78
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- Nam, S., T. Uwano, and T. Itoh. Microstrip fed planar frequency-multiplying space combiner; *MWSYM 87 Vol. 2* 945-948
- Nam, S., T. Uwano, and T. Itoh. Microstrip-fed planar frequency-multiplying space combiner; *T-MTT Dec 87* 1271-1276
- Nam, S., S. El-Ghazaly, H. Ling, and T. Itoh. Time-domain method of lines applied to a partially filled waveguide; *MWSYM 88 Vol. 2* 627-630
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- Nativ, Z. A new reversible varactor frequency halver/doubler device; *MWSYM 87 Vol. 2* 921-924
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- Nebus, J. M., J. P. Villotte, J. F. Vidalou, L. Hagerman, H. Jallageas, and M. C. Albuquerque. Optimized C.A.D. of power amplifiers, for maximum added power or minimum third order intermodulation, using an optimization software coupled to a single tone source and load-pull set-up; *MWSYM 88 Vol. 2* 1049-1052
- Neece, R. T., and R. J. Trew. Optical modulation and switching of IMPATTs; *CORNEL 85* 341-350
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- Nelson, T. M., M. J. Reinhart, K. J. Yoo, D. A. Poltorak, and R. K. Palmer. Solid-state transmitter/modulator for the mode select airport beacon system sensor; *MWSYM 87 Vol. 2* 531-534
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- Nemoto, Y., M. Satake, K. Kobayashi, and R. Sato. Equivalent transformations for the mixed lumped Richards section and distributed transmission line; *T-MTT Apr 88* 635-641
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- Nesbit, G. H., and W. H. Leighton. EHF solid state amplifier; *MWSYM 85* 391-394
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- Nevels, R. D., C. M. Butler, and W. Yablon. The annular slot antenna in a lossy biological medium (Short p.); *T-MTT Apr 85* 314-319
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- Newberg, I. L., see Gee, C. M., *MWSYM 86* 709-712
- Newberg, I. L., C. M. Gee, G. D. Thurmond, and H. W. Yen. Radar applications of X-band fiber optic links; *MWSYM 88 Vol. 2* 987-990
- Newman, E. H., J. H. Richmond, and B. W. Kwan. Mutual impedance computation between microstrip antennas (Short p.); *T-MTT Nov 83* 941-945

- Newman, H. S., see Kirchoefer, S. W., *CORNEL* 85 246-251
- Newman, P. F., see Namordii, M. R., *MCS* 85 18-21
- Newton, B. H., see Booth, P. L., *T-MTT Jan* 81 6-10
- Newton, S. A., see Jackson, K. P., *T-MTT Mar* 85 193-210
- Ney, M. M. Method of moments as applied to electromagnetic problems; *T-MTT Oct* 85 972-980
- Ney, M. M., S. R. Valluri, W. Yue, G. I. Costache, and W. J. R. Hoefer. A study of electric-field breakdown in E-plane lines at centimeter and millimeter wavelengths; *T-MTT May* 87 502-509. Correction, *Apr* 88 795-796
- Ney, M. M., W. Yue, and W. J. R. Hoefer. Experimental studies of the peak power-handling capacity of finlines at centimeter and millimeter wavelengths (Short p.); *T-MTT Oct* 88 1448-1451
- Ngan, Y. C., see Jackson, C. M., *MWSYM* 88 Vol. 2 781-784
- Ngoya, E., see Gayral, M., *MWSYM* 87 Vol. 1 119-121
- Ngoya, E., see Guo, C., *MWSYM* 88 Vol. 2 1115-1118
- Nguyen, C., and K. Chang. Design and performance of a W-band broadband finline diplexer with over 20 GHz bandwidth; *MWSYM* 85 349-352
- Nguyen, C., and K. Chang. Analysis and design of spurline bandstop filters; *MWSYM* 85 445-448
- Nguyen, C., and K. Chang. On the analysis and design of spurline bandstop filters; *T-MTT Dec* 85 1416-1421
- Nguyen, L. D., M. C. Foisy, P. J. Tasker, W. J. Schaff, and L. F. Eastman. Carrier deconfinement limited velocity in pseudomorphic AlGaAs/InGaAs modulation-doped field-effect transistors (MODFETs); *CORNEL* 87 Paper 10
- Nguyen, R., see Messick, L., *CORNEL* 87 Paper 22
- Niblack, W. K., see Rathman, D. D., *MWSYM* 88 Vol. 1 537-540
- Nicholas, J. M. C., see Wilson, K., *MCS* 85 10-14
- Nicholas, J. M. C., see Wilson, K., *T-MTT Dec* 85 1572-1578
- Nicholas, A., see Sholley, M., *MWSYM* 85 555-558
- Nichols, A., see Sholley, M., *MWSYM* 86 463-465
- Nichols, K. B., M. A. Hollis, C. O. Bozler, R. P. Gale, and R. A. Murphy. Fabrication and performance of GaAs permeable base transistors; *CORNEL* 85 61-71
- Nichols, K. B., M. A. Hollis, C. O. Bozler, M. A. Quddus, R. H. Mathews, A. Vera, S. Rabe, R. A. Murphy, and D. L. Olsson. High power-added efficiency measured at 1.3 and 20 GHz using GaAs permeable base transistor; *CORNEL* 87 Paper 37
- Nichols, K. B., see Kushner, L. J., *MWSYM* 88 Vol. 1 525-528
- Nicholson, D. A high performance hexagonal ferrite tunable bandpass filter for the 40-60 GHz region; *MWSYM* 85 229-232
- Nicholson, D., see Lau, Y. S., *MWSYM* 86 183-186
- Nicholson, D. Ferrite tuned millimeter wave bandpass filters with high off resonance isolation; *MWSYM* 88 Vol. 2 867-870
- Niclas, K. B. Noise in broad-band GaAs MESFET amplifiers with parallel feedback; *T-MTT Jan* 82 63-70
- Niclas, K. B. The exact noise figure of amplifiers with parallel feedback and lossy matching circuits (Short p.); *T-MTT May* 82 832-835. Comments, with reply, by Engberg, J., *Jan* 83 81
- Niclas, K. B. On design and performance of lossy-match GaAs MESFET amplifiers; *T-MTT Nov* 82 1900-1907
- Niclas, K. B., W. T. Wilser, T. R. Kritzer, and R. R. Pereira. On theory and performance of solid-state microwave distributed amplifiers; *T-MTT Jun* 83 447-456
- Niclas, K. B., and B. A. Tucker. On noise in distributed amplifiers at microwave frequencies; *T-MTT Aug* 83 661-668
- Niclas, K. B. Reflective match, lossy match, feedback and distributed amplifiers: A comparison of multi-octave performance characteristics; *MWSYM* 84 215-217
- Niclas, K. B. Multi-octave performance of single-ended microwave solid-state amplifiers; *T-MTT Aug* 84 896-908
- Niclas, K. B. Comments with reply, on "The microstrip open-ring resonator" by I. Wolf and V. K. Tripathi (Original paper, *Jan* 84 102-107); *T-MTT Aug* 84 946-947
- Niclas, K. B. Active matching with common-gate MESFET's; *T-MTT Jun* 85 492-499
- Niclas, K. B., R. D. Remba, R. R. Pereira, and B. D. Cantos. The declining drain line lengths circuit—A computer derived design concept applied to a 2-26.6-GHz distributed amplifier; *T-MTT Apr* 86 427-435
- Niclas, K. B., R. R. Pereira, A. J. Graven, and A. P. Chang. Design and performance of a new multi-octave high-gain amplifier; *MWSYM* 87 Vol. 2 829-832
- Niclas, K. B., and R. R. Pereira. The matrix amplifier: A high-gain module for multioctave frequency bands; *T-MTT Mar* 87 296-306
- Niclas, K. B., and A. P. Chang. Noise in two-tier matrix amplifiers; *T-MTT Jan* 88 11
- Niehenke, E. C., R. D. Hess, J. S. Rosen, L. E. Dickens, and J. A. Faulkner, Jr. A compact broad-band multifunction ECM MIC module; *T-MTT Dec* 82 2194-2200
- Niehenke, E. C., V. V. DiMarco, and A. Friedberg. Linear analog hyperabrupt varactor diode phase shifters; *MWSYM* 85 657-660
- Niehenke, E. C. The 1986 MTT-S International Microwave Symposium; *T-MTT Dec* 86 1240-1252
- Niehenke, E. C., and P. A. Green. A low-noise L-band dielectric resonator stabilized microstrip oscillator; *MWSYM* 87 Vol. 1 193-196
- Nieruchalski, J. L., see Dalle, C., *CORNEL* 85 351-359
- Nightingale, S. J., M. A. G. Upton, U. K. Mishra, S. C. Palmateer, and P. M. Smith. A 30 GHz monolithic single balanced mixer with integrated dipole receiving element; *MCS* 85 74-77
- Nightingale, S. J., M. A. G. Upton, U. K. Mishra, S. C. Palmateer, and P. M. Smith. A 30 GHz monolithic single balanced mixer with integrated dipole receiving element; *MWSYM* 85 116-119
- Nightingale, S. J., M. A. G. Upton, and N. V. Dandekar. The design and performance of a double balanced mixer using FETs; *MWSYM* 85 717-720
- Nightingale, S. J., M. A. G. Upton, B. K. Mitchell, U. K. Mishra, S. C. Palmateer, and P. M. Smith. A 30-GHz monolithic single balanced mixer with integrated dipole receiving element; *T-MTT Dec* 85 1603-1610
- Nightingale, S. J., see Fayos, J. R., *MWSYM* 86 499-502
- Niizaki, N., see Kawamoto, K., *MWSYM* 85 689-692
- Nikawa, Y., see Takahashi, Y., *MWSYM* 85 86-89
- Nikawa, Y., Y. Takahashi, H. Watanabe, M. Kikuchi, and S. Mori. Microwave heating system using lens applicator for localized hyperthermia; *MWSYM* 85 196-199
- Nikawa, Y., M. Kikuchi, and S. Mori. Development and testing of a 2450-MHz lens applicator for localized microwave hyperthermia (Short p.); *T-MTT Nov* 85 1212-1216
- Nikawa, Y., H. Watanabe, M. Kikuchi, and S. Mori. A direct-contact microwave lens applicator with a microcomputer-controlled heating system for local hyperthermia; *T-MTT May* 86 626-630
- Nikawa, Y., T. Katsumata, M. Kikuchi, and S. Mori. An electric field converging applicator with heating pattern controller for microwave hyperthermia; *T-MTT May* 86 631-635
- Niki, H., see Ikeuchi, M., *T-MTT Mar* 81 234-239
- Nilsen, S. M., see Zirath, H., *T-MTT Nov* 88 1469-1475
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- Nishida, S., see Yoneyama, T., *T-MTT Dec* 82 2146-2150
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- Nishida, S., see Yoneyama, T., *MWSYM* 86 115-117
- Nishida, S., see Yoneyama, T., *T-MTT Aug* 86 876-882
- Nishikawa, T., K. Wakino, and Y. Ishikawa. 800 MHz band channel dropping filter using TM₀₁₀ mode dielectric resonator; *MWSYM* 84 199-201
- Nishikawa, T., K. Wakino, H. Wada, and Y. Ishikawa. 800 MHz band dielectric channel dropping filter using TM₁₁₀ tripe mode resonance; *MWSYM* 85 289-292
- Nishikawa, T., K. Wakino, J. Hattori, and Y. Ishikawa. 800 MHz band face-bonding filter using dielectric B.D.L.S.; *MWSYM* 86 403-406
- Nishikawa, T., K. Wakino, K. Tsunoda, and Y. Ishikawa. Dielectric high-power bandpass filter using quarter-cut TE₀₁₈ image resonator for cellular base stations; *MWSYM* 87 Vol. 1 133-136
- Nishikawa, T., K. Wakino, H. Tamura, H. Tanaka, and Y. Ishikawa. Precise measurement method for temperature coefficient of microwave dielectric resonator material; *MWSYM* 87 Vol. 1 277-280
- Nishikawa, T., K. Wakino, K. Tsunoda, and Y. Ishikawa. Dielectric high-power bandpass filter using quarter-cut TE₀₁₈ image resonator for cellular base stations; *T-MTT Dec* 87 1150-1155
- Nishikawa, T., K. Wakino, T. Hiratsuka, and Y. Ishikawa. 800 MHz band high-power bandpass filter using TM₁₁₀ mode dielectric resonators for cellular base stations; *MWSYM* 88 Vol. 1 519-522
- Nishiki, S., and S. Yuki. Transmission loss of thick-film microstriplines (Short p.); *T-MTT Jul* 82 1104-1107
- Nishiki, S., and T. Nojima. Harmonic reaction amplifier—A novel high-efficiency and high-power microwave amplifier; *MWSYM* 87 Vol. 2 963-966
- Nishiki, S., see Nojima, T., *MWSYM* 88 Vol. 2 1007-1010
- Nishimoto, C., R. LaRue, S. Bandy, M. Day, J. Eckstein, C. Webb, C. Yuen, and G. Zdasik. A 2-20 GHz, high-gain, monolithic HEMT distributed amplifier; *MCS* 87 109-113
- Nishimoto, C., R. LaRue, S. Bandy, M. Day, J. Eckstein, C. Webb, C. Yuen, and G. Zdasik. A 2-20 GHz, high-gain, monolithic HEMT distributed amplifier; *MWSYM* 87 Vol. 1 155-159
- Nishimoto, C., see Bandy, S., *T-MTT Dec* 87 1494-1500
- Nishimoto, C., see Yuen, C., *MCS* 88 139-142
- Nishimoto, C., see Yuen, C., *MWSYM* 88 Vol. 1 247-250
- Nishimoto, C., see Yuen, C., *T-MTT Dec* 88 1930-1937
- Nishimura, E., N. Morita, and N. Kumagai. Scattering of guided modes caused by an arbitrarily shaped broken end in dielectric slab waveguide; *T-MTT Nov* 83 923-930. Correction, *Feb* 84 219
- Nishino, Y., see Yamashita, E., *T-MTT Sep* 81 987-990
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- Noda, J., see Kobayashi, M., *T-MTT Oct* 82 1591-1598
- Nogi, S., and K. Fukui. Optimum design and performance of a microwave ladder oscillator with many diode mount pairs; *T-MTT May* 82 735-743
- Nogi, S., and K. Fukui. Locking behavior of a microwave multiple-device ladder oscillator; *T-MTT Mar* 85 253-262
- Nogi, S., K. Fukui, and S. Tanaka. Theory and performance of a power-combining multiple-device ladder amplifier; *T-MTT Mar* 86 333-341
- Nogi, S., see Fukui, K., *T-MTT Sep* 86 943-951
- Nogi, S., and K. Fukui. TM₀₁₀- and TM₁₁₀-mode oversized cylindrical cavity power combiners; *T-MTT Sep* 87 835-842
- Noguchi, K., see Murakami, Y., *T-MTT Oct* 82 1461-1465
- Noguchi, T., see Hosono, Y., *MCS* 87 49-52
- Noguchi, T., see Katsukawa, K., *MCS* 87 57-61
- Nojima, T., see Nishiki, S., *MWSYM* 87 Vol. 2 963-966
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- Nortier, J. R. Calculation of the interaction between the fringing capacitance of symmetrical stripline using the finite element method (Ltr.); *T-MTT Jan* 86 191-193
- Novick, G., see Potoczniak, J. J., *T-MTT May* 82 724-728
- Novick, G., H. Jacobs, C. M. LoCasio, and J. Londono. Nonresonant semiconductor phase shifter (Short p.); *T-MTT Nov* 82 2034-2036

- Ntake, P., see Bura, P., *MWSYM 87 Vol. 1* 479-481
- Nudelmann, R. W., see Salcman, M., *MWSYM 86* 771-774
- Nulman, J., A. Perera, and J. P. Krusius. Submicron patterning techniques for self-aligned GaAs millimeter wave opposed gate source transistor; *CORNEL 85* 271-279
- Nunoshita, M., see Kyuma, K., *T-MTT Apr 82* 522-525
- Nunoshita, M., see Kyuma, K., *T-MTT Oct 82* 1607-1611
- Nunotani, T., see Sasaki, M., *MWSYM 85* 507-510
- Nuspl, P., see Yamamoto, R., *MCS 86* 65-69
- Nussbaum, G. H., J. Sidi, N. Rouhanizadeh, P. Morel, C. Jasmin, G. Convert, J. P. Mabire, and G. Azam. Manipulation of central axis heating patterns with a prototype, three-electrode capacitive device for deep-tumor hyperthermia; *T-MTT May 86* 620-625
- Nuzillat, G., see Bert, G., *T-MTT Jul 82* 1014-1019
- Nyquist, D. P., see Bagby, J. S., *T-MTT Oct 85* 906-915
- Nyquist, D. P., see Bagby, J. S., *T-MTT Feb 87* 206-210
- Nyquist, D. P., see Viola, M. S., *T-MTT Aug 88* 1289-1292
- Nyström, G. L. Synthesis of broad-band 3-dB hybrids based on the 2-way power divider; *T-MTT Mar 81* 189-194
- O
- Oakes, J. G., see Mondal, J. P., *T-MTT Oct 84* 1280-1288.
- Oakes, J. G., *Guest Ed.*, see Davey, J. E., *Guest Ed.*, *T-MTT Jul 82* 933-934
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- Obregon, J., see Khanna, A. P. S., *T-MTT Jun 81* 606-607
- Obregon, J., and A. P. S. Khanna. Exact derivation of the nonlinear negative-resistance oscillator pulling figure (Short p.); *T-MTT Jul 82* 1109-1111
- Obregon, J., and F. Farzaneh. Definition of nonlinear reflection coefficient of a microwave device using describing function formalism (Short p.); *T-MTT Apr 84* 452-455
- Obregon, J., see Joer, J. P., *MWSYM 86* 597-600
- Obregon, J., see Hu, Y., *T-MTT Feb 86* 245-250
- Obregon, J., see Guo, C., *MWSYM 87 Vol. 1* 111-113
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- Obregon, J., see Guo, C., *MWSYM 88 Vol. 2* 1115-1118
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- Oda, Y., S. Arai, T. Yoshida, H. Nakamura, S. Yanagawa, S. Hori, and K. Kamei. Ka-band 1 watt power GaAs MMICs; *MWSYM 88 Vol. 1* 413-416
- Odekir, B., see Canfield, P. C., *CORNEL 87* Paper 30
- Ogai, M., see Archer, J. W., *T-MTT Mar 81* 202-208
- Ogawa, H., M. Akaike, M. Aikawa, T. Karaki, and J. Watanabe. A 26-GHz band integrated circuit of a double-balanced mixer and circulators; *T-MTT Jan 82* 34-41
- Ogawa, H., M. Akaike, and M. Akaike. Integrated balanced BPSK and QPSK modulators for the Ka-band; *T-MTT Mar 82* 227-234
- Ogawa, H., see Hagihara, E., *T-MTT Mar 82* 235-242
- Ogawa, H., K. Yamamoto, and N. Imai. A 26-GHz high performance MIC transmitter/receiver for digital radio subscriber systems; *MWSYM 84* 254-256
- Ogawa, H., see Hirota, T., *T-MTT Jul 84* 679-683
- Ogawa, H., K. Yamamoto, and N. Imai. A 26-GHz high-performance MIC transmitter/receiver for digital radio subscriber systems; *T-MTT Dec 84* 1551-1556
- Ogawa, H., T. Hirota, and M. Aikawa. New MIC power dividers using coupled microstrip - slot lines: Two-sided MIC power dividers; *T-MTT Nov 85* 1155-1164
- Ogawa, H., see Hirota, T., *MCS 86* 103-105
- Ogawa, H., and T. Itoh. Slow-wave characteristics of ferromagnetic semiconductor microstrip line; *MWSYM 86* 65-68
- Ogawa, H., see Inada, R., *MWSYM 86* 323-326
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- Ogawa, H., see Mu, T.-C., *T-MTT Dec 86* 1471-1477
- Ogawa, H., and T. Itoh. Slow-wave characteristics of ferromagnetic semiconductor microstrip line; *T-MTT Dec 86* 1478-1482
- Ogawa, H., T. Hirota, and A. Minagawa. Uni-planar MIC balanced multiplier—A proposal of new structure for MIC's; *MWSYM 87 Vol. 1* 181-184
- Ogawa, H., see Hirota, T., *T-MTT Jun 87* 576-581
- Ogawa, H., see Tarusawa, Y., *T-MTT Sep 87* 819-822
- Ogawa, H., and A. Minagawa. Uniplanar MIC balanced multiplier—A proposed new structure for MIC's; *T-MTT Dec 87* 1363-1368
- Ogawa, K., T. Ishizaki, K. Hashimoto, M. Sakakura, and T. Uwano. A 50-GHz compact communication system for video link fabricated in MIC; *MWSYM 88 Vol. 2* 1023-1026
- Ogawa, M., see Ohata, K., *MWSYM 84* 434-436
- Ogawa, M., see Tanaka, K., *T-MTT Dec 86* 1522-1527
- Oggionni, F., see Nannicini, M., *MWSYM 85* 99-102
- Ogregon, J., see Mamodaly, N., *T-MTT Jun 82* 918-919
- Ogusu, K. Propagation properties of a planar dielectric waveguide with periodic metallic strips; *T-MTT Jan 81* 16-21
- Ogusu, K. Dielectric waveguide corner and power divider with a metallic reflector (Short p.); *T-MTT Jan 84* 113-116
- Ogusu, K. Experimental study of dielectric waveguide Y-junctions for millimeter-wave integrated circuits; *T-MTT Jun 85* 506-509
- Ogusu, K., and I. Tanaka. Comments, with reply, on 'Nonuniform layer model of a millimeter-wave phase shifter' by J. K. Butler, et al. (Original paper, Jan 86 147-155); *T-MTT Nov 86* 1226-1227
- Oh-ishi, H., see Mizushima, S., *MWSYM 84* 145-147
- Ohata, K., H. Hida, H. Miyamoto, M. Ogawa, T. Baba, and T. Mizutani. A low noise AlGaAs/GaAs FET with p⁺-gate and selectively doped structure; *MWSYM 84* 434-436
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- Ohgihara, T., see Mizunuma, Y., *T-MTT Dec 88* 1885-1889
- Ohhata, M., T. Takada, M. Ino, N. Kato, and M. Ida. A 4.5-GHz GaAs dual-modulus prescaler IC (Short p.); *T-MTT Jan 88* 158-160
- Ohira, T., see Tsutsumi, M., *T-MTT Jun 81* 583-587
- Ohira, T., T. Tokumitsu, T. Hiraoka, Y. Kihata, K. Araki, and H. Kato. Development of key monolithic circuits to Ka-band full MMIC receivers; *MCS 87* 69-74
- Ohira, T., T. Hiraoka, and H. Kato. MMIC 14-GHz VCO and Miller frequency divider for low-noise local oscillators; *T-MTT Jul 87* 657-662
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- Ohkawa, S., see Yashiro, K., *T-MTT Jul 81* 745-747
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- Ohke, H., see Tanaka, K., *T-MTT Dec 86* 1522-1527
- Ohm, G., and M. Alberty. Microwave phase detectors for PSK demodulators; *T-MTT Jul 81* 724-731
- Ohm, G., and M. Alberty. 11-GHz MIC QPSK modulator for regenerative satellite repeater; *T-MTT Nov 82* 1921-1926
- Ohmori, Y., and Y. Sasaki. Two-wave sum-frequency light generation in optical fibers; *T-MTT Apr 82* 604-608
- Ohnishi, H., and S. Yamashita. S- and X-band GaAs FET mixers with thin-film lumped elements (Short p.); *T-MTT Jan 84* 135-138
- Ohno, H., R. Katsumi, and H. Hasegawa. (GaAs)₁(InAs)₁ superlattice semiconductor; *CORNEL 85* 295-301
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- Ohta, I. A new six-port microwave network: Six-port magic junction; *T-MTT May 88* 859-864
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- Ohwada, K., see Muraguchi, M., *MCS 88* 75-78
- Ohwada, K., see Muraguchi, M., *T-MTT Dec 88* 1896-1901
- Oishi, T., and W. K. Kahn. Stokes vector representation of the six-port network analyzer: Calibration and measurement; *MWSYM 85* 503-506
- Okamoto, K., T. Hosaka, and Y. Sasaki. Linearly single polarization fibers with zero polarization mode dispersion; *T-MTT Apr 82* 342-349
- Okamoto, K., see Hosaka, T., *T-MTT Oct 82* 1557-1560
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- Okamoto, T., see Murakami, Y., *T-MTT Dec 87* 1197-1198
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- O'Keeffe, T. W., see Talisa, S. H., *MWSYM 86* 579-581
- O'Keeffe, T. W., see Clarke, R. C., *CORNEL 87* Paper 38
- Oki, A. K., M. E. Kim, G. M. Gorman, and J. B. Camou. High-performance GaAs heterojunction bipolar transistor logarithmic IF amplifier; *MCS 88* 41-45
- Oki, A. K., M. E. Kim, G. M. Gorman, and J. B. Camou. High-performance GaAs heterojunction bipolar transistor monolithic logarithmic IF amplifiers; *T-MTT Dec 88* 1958-1965
- Okoshi, T., T. Imai, and K. Ito. Computer-oriented synthesis of optimum circuit pattern of 3-dB hybrid ring by the planar circuit approach; *T-MTT Mar 81* 194-202
- Okoshi, T., see Oyamada, K., *T-MTT Aug 81* 832
- Okoshi, T. Heterodyne and coherent optical fiber communications: Recent progress; *T-MTT Aug 82* 1138-1149
- Okoshi, T., see Kishi, N., *T-MTT Oct 87* 887-892
- Oksanen, M. I., see Lindell, I. V., *T-MTT Sep 83* 736-745
- Okubo, N., see Tokumitsu, Y., *T-MTT Mar 84* 301-308
- Okwit, S. A historical view of the evolution of low-noise concepts and techniques; *T-MTT Sep 84* 1068-1082
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- Olin, L. C., see Spitzer, M. B., *T-MTT Oct 82* 1572-1576
- Oliner, A. A., see Peng, S.-T., *T-MTT Sep 81* 843-855
- Oliner, A. A., S.-T. Peng, T.-I. Hsu, and A. Sanchez. Guidance and leakage properties of a class of open dielectric waveguides—II: New physical effects; *T-MTT Sep 81* 855-869
- Oliner, A. A., and P. Lampariello. Simple and accurate expression for the dominant mode properties of open groove guide; *MWSYM 84* 62-64
- Oliner, A. A., see Sanchez, A., *MWSYM 84* 118-120
- Oliner, A. A. Historical perspectives on microwave field theory; *T-MTT Sep 84* 1022-1045
- Oliner, A. A., S. T. Peng, and K. M. Sheng. Leakage from a gap in NRD guide; *MWSYM 85* 619-622
- Oliner, A. A., and J.-S. Myung. A novel cavity resonator measurement method for leaky waveguides; *MWSYM 85* 651-654
- Oliner, A. A., and P. Lampariello. The dominant mode properties of open groove guide: An improved solution; *T-MTT Sep 85* 755-764
- Oliner, A. A., and K. S. Lee. The nature of the leakage from higher modes on microstrip line; *MWSYM 86* 57-60
- Oliner, A. A., see Shigesawa, H., *MWSYM 86* 119-122
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- Oliner, A. A., see Sanchez, A., *T-MTT Aug 87* 737-747
- Oliner, A. A., see Qing, H., *T-MTT Aug 87* 748-752
- Oliner, A. A., see Shigesawa, H., *MWSYM 88 Vol. 1* 199-202
- Olivier, J. C., and J. A. G. Malherbe. A bandstop filter constructed in non-radiative dielectric waveguide; *MWSYM 86* 415-416

- Olivier, J. C., see Malherbe, J. A. G., *T-MTT Dec 86* 1408-1412
- Olivier, J. C., and J. A. G. Malherbe. A bandpass filter using circular discontinuities in nonradiative dielectric waveguide, *MWSYM 87 Vol. 1* 419-422
- Olivier, J. C., and J. A. G. Malherbe. Variational bound analysis of a discontinuity in nonradiative dielectric waveguide, *MWSYM 87 Vol. 2* 789-790
- Olivier, J. C., and J. A. G. Malherbe. Variational bound analysis of a discontinuity in nonradiative dielectric waveguide (Short p.); *T-MTT Jun 88* 1105-1107
- Olley, C. A., and T. Rozzi. Systematic characterization of the spectrum of unilateral finline; *T-MTT Nov 86* 1147-1156
- Olley, C. A., and T. Rozzi. Currents and conduction losses in unilateral finline; *T-MTT Jan 88* 86-95
- Ollivon, M. R. Dynamic measurements of complex permittivity and temperature during microwave heating; *MWSYM 85* 645-646
- Olsen, R. G., and J. C. Lin. Microwave pulse-induced acoustic resonances in spherical head models (Short p.); *T-MTT Oct 81* 1114-1117
- Olshansky, R., see Su, C. B., *CORNEL 85* 312-318
- Olshansky, R., V. Lanzisera, and P. Hill. Microwave multiplexing techniques for wideband lightwave distribution networks; *MWSYM 88 Vol. 2* 901-903
- Olson, K. S., G.-W. Pan, and B. K. Gilbert. Comments on 'Transient analysis of single and coupled lines with capacitively-loaded junctions' by Q. Gu and J. A. Kong (Original paper, Sep 86 952-964); *T-MTT Oct 87* 929-930
- Olson, S. C., see Iskander, M. F., *T-MTT Aug 87* 776-780
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- Oltman, H. G., Jr., *Guest Ed.* Editor's preface to 28-year index; *T-MTT Jun 81* Part II 1
- Omar, A. S., and K. Schunemann. Space domain decoupling of LSE and LSM fields in generalized planar guiding structures; *MWSYM 88* 59-61
- Omar, A. S., and K. Schunemann. Scattering by dielectric obstacles inside guiding structures; *MWSYM 84* 321-323
- Omar, A. S., and K. Schunemann. Transmission-matrix representation of fin-line discontinuities; *MWSYM 84* 339-341
- Omar, A. S., and K. Schunemann. Space-domain decoupling of LSE and LSM fields in generalized planar guiding structures; *T-MTT Dec 84* 1626-1632
- Omar, A. S., and K. Schunemann. Formulation of the singular integral equation technique for general planar transmission lines; *MWSYM 85* 135-138
- Omar, A. S., and K. Schunemann. Transmission matrix representation of finline discontinuities; *T-MTT Sep 85* 765-770
- Omar, A. S., and K. Schunemann. Formulation of the singular integral equation technique for planar transmission lines; *T-MTT Dec 85* 1313-1322. *Correction, Jan 86* 196
- Omar, A. S., K. Schunemann, and J. K. Piotrowski. Effect of complex modes on finline discontinuities; *MWSYM 86* 123-126
- Omar, A. S., and K. Schunemann. Scattering by material and conducting bodies inside waveguides—I: Theoretical formulations; *T-MTT Feb 86* 266-272
- Omar, A. S., and K. Schunemann. The effect of complex modes at finline discontinuities; *T-MTT Dec 86* 1508-1514
- Omar, A. S., and K. Schunemann. Complex and backward-wave modes in inhomogeneously and anisotropically filled waveguides; *T-MTT Mar 87* 268-275
- Omar, A. S., see Mahmoud, S. M., *MWSYM 88 Vol. 1* 367-370
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- O'Neil, V. P., C. Ryan, and C. E. Weitzel. Monolithic gallium arsenide I - Q demodulator; *MCS 84* 14-18
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- Orr, J. A stable 2 - 26.5 GHz two-stage dual-gate distributed MMIC amplifier; *MWSYM 86* 817-820
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- Ortega, V., see Pérez, F., *T-MTT Aug 82* 1289-1290
- Osafune, K., N. Kato, T. Sugeta, and Y. Yamao. A low-noise GaAs monolithic broad-band amplifier using a drain current saving technique (Short p.); *T-MTT Jun 85* 543-545
- Osafune, K., T. Enoki, K. Yamasaki, and K. Ohwada. GaAs ultra high frequency dividers with advanced SAINT FETs; *MCS 86* 81-85
- Osafune, K., K. Ohwada, and N. Kato. High-speed and low-power GaAs phase frequency comparator; *T-MTT Jan 86* 142-146
- Osafune, K., and K. Ohwada. Ultra-high-speed GaAs monolithic prescaler and phase frequency comparator IC; *T-MTT Jul 86* 786-790
- Osafune, K., T. Enoki, K. Yamasaki, and K. Ohwada. GaAs ultra-high-frequency dividers with advanced SAINT FETs; *T-MTT Dec 86* 1528-1532
- Osafune, K., and K. Ohwada. An ultra-high-speed GaAs prescaler using a dynamic frequency divider; *T-MTT Jan 87* 9-13
- Osafune, K., T. Takada, N. Kato, and K. Ohwada. GaAs ultra-high-speed prescaler/phase frequency comparator using LSCFL; *T-MTT Oct 87* 917-918
- Ose, T., see Yoshino, T., *T-MTT Oct 82* 1612-1621
- Osephchuk, J. M. A history of microwave heating applications; *T-MTT Sep 84* 1200-1224
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- Ou, W., C. G. Gardner, and S. A. Long. Nondestructive measurement of a dielectric layer using surface electromagnetic waves; *T-MTT Mar 83* 225-261
- Overfelt, P. L., and D. J. White. Comments, with reply, on 'Integration method of measuring Q of the microwave resonators' by I. Kneppo (Original paper, Feb 78 131); *T-MTT Jun 83* 502-504
- Overfelt, P. L., and D. J. White. Further comments on 'Integration method of measuring Q of the microwave resonators' by L. Kneppo (Original paper, Feb 78 131); *T-MTT Apr 85* 344
- Overfelt, P. L., and D. J. White. TE and TM modes of some triangular cross-section waveguides using superposition of plane waves (Short p.); *T-MTT Jan 86* 161-167
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- Packard, K. S. The origin of waveguides: A case of multiple rediscovery; *T-MTT Sep 84* 961-969
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- Paggi, M., P. H. Williams, and J. M. Borrego. Nonlinear GaAs MESFET modeling using pulsed gate measurements; *MWSYM 88 Vol. 1* 229-231
- Paggi, M., P. H. Williams, and J. M. Borrego. Nonlinear GaAs MESFET modeling using pulsed gate measurements; *T-MTT Dec 88* 1593-1597
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- Palmateer, S. C., see Nightingale, S. J., *T-MTT Dec 85* 1603-1610
- Palmer, C. D., P. Saunier, and R. E. Williams. A GaAs monolithic 6 - 18 GHz medium power amplifier; *MCS 84* 55-57
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- Pan, S.-K., A. R. Kerr, M. J. Feldman, A. W. Kleinsasser, J. Stasiak, R. L. Sandstrom, and W. J. Gallagher. An SIS mixer for 85 - 116 GHz using inductively shunted edge-junctions; *MWSYM 88 Vol. 1* 465-468
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- Pannell, R. M., and B. W. Jervis. Two simple methods for the measurement of the dielectric permittivity of low-loss microstrip substrates (Short p.); *T-MTT Apr 81* 383-386
- Pantić, Z., and R. Mittra. Quasi-TEM analysis of microwave transmission lines by the finite-element method; *T-MTT Nov 86* 1096-1103
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- Pao, C.-s., Y. Li, and S.-p. Chou. A superconducting-dielectric resonator at W-band; *MWSYM 88 Vol. 1* 457-458
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- Paolella, A., and P. R. Herzfeld. Optical control of a GaAs MMIC transmit/receive module; *MWSYM 88 Vol. 2* 959-962
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- Parisot, M., Y. Archambault, D. Pavlidis, and J. Magarshack. Highly accurate design of spiral inductors for MMIC's with small size and high cut-off frequency characteristics; *MWSYM 84* 106-110
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- Park, P. K., R. L. Eisenhart, and S. E. Bradshaw. Matched, dual mode square waveguide corner; *MWSYM 86* 155-156
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- Pavio, A. M., R. H. Halladay, S. D. Bingham, and C. A. Sapahe. Broadband monolithic single and double ring active/passive mixers; *MCS 88* 71-74
- Pavio, A. M., S. D. Bingham, R. H. Halladay, and C. A. Sapahe. A distributed broadband monolithic frequency multiplier; *MWSYM 88 Vol. 1* 503-504
- Pavio, A. M., see Halladay, R. H., *MWSYM 88 Vol. 2* 573-576
- Pavio, A. M., R. H. Halladay, S. D. Bingham, and C. A. Sapahe. Double balanced mixers using active and passive techniques; *T-MTT Dec 88* 1948-1957
- Pavio, J. S., and D. Bretzke. Automated interconnect on GaAs integrated circuits; *MWSYM 86* 423-426
- Pavio, J. S. Successful automated alloy attachment of GaAs MMIC's; *MCS 87* 127-129
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- Pavlidis, D., see Weiss, M., *T-MTT Feb 88* 239-249
- Pavlidis, D., J.-L. Cazaux, and J. Graffeuil. The influence of ion-implanted profiles on the performance of GaAs MESFET's and MMIC amplifiers; *T-MTT Apr 88* 642-652
- Pawlewicz, W. T., see Hansen, R. C., *T-MTT Nov 82* 2064-2066
- Payne, D. N., A. J. Barlow, and J. J. Ramskov Hansen. Development of low- and high-birefringence optical fibers; *T-MTT Apr 82* 323-334
- Payne, J. M. Recent advances in millimeter wave instrumentation for radio astronomy; *MWSYM 87 Vol. 1* 493-495
- Pearson, A. D., see Lazay, P. D., *T-MTT Apr 82* 350-356
- Pease, R. F. W., see Allee, D. R., *CORNEL 87* Paper 24
- Peebles, W. A., see Tong, P. P., *MWSYM 84* 542-544
- Peebles, W. A., see Tong, P. P., *T-MTT May 84* 507-512
- Peignet, C., Y. Mancuso, G. Le Meur, L. Remiro, A. Bert, J. F. Jouen, and P. Savary. A 16 W pulsed X-band solid-state transmitter; *MWSYM 88 Vol. 1* 417-420
- Pelka, P., see Dornan, B., *MWSYM 85* 597-600
- Pelouard, J.-L., P. Hesto, and R. Castagné. Modelling of the InP/InGaAs ballistic HBT; *CORNEL 85* 52-60
- Peltonen, J. K., see Vowinkel, B., *T-MTT Jun 81* 535-541
- Peng, S.-T., and A. A. Oliner. Guidance and leakage properties of a class of open dielectric waveguides—I: Mathematical formulations; *T-MTT Sep 81* 843-855
- Peng, S.-T., see Oliner, A. A., *T-MTT Sep 81* 855-869
- Peng, S.-T., see Schwering, F. K., *T-MTT Feb 83* 199-209
- Peng, S.-T., J. M. Dong, and L. M. Wang. Wave interaction in doubly periodic structures; *MWSYM 85* 131-134
- Peng, S.-T., see Oliner, A. A., *MWSYM 85* 619-622
- Peng, S.-T., S. J. Xu, and F. K. Schwering. Scattering of surface waves by nonuniform waveguides; *MWSYM 85* 627-630
- Peng, S.-T., see Wu, T. H., *MWSYM 87 Vol. 1* 299-301
- Peng, S.-T., S. L. Wang, and F. K. Schwering. Simple analytic formulas for dielectric waveguides; *MWSYM 87 Vol. 2* 727-730
- Peng, S.-T., see Chen, K. S., *MWSYM 88 Vol. 2* 631-634
- Peng, S.-T. Special session in honor of Professor Arthur A. Oliner; *T-MTT Dec 88* 1578-1581
- Pennington, D. C., see Harvey, A. R., *MCS 87* 139-142
- Pennington, D. C., see Harvey, A. R., *MWSYM 87 Vol. 1* 233-236
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- Perera, A., see Nulman, J., *CORNEL 85* 271-279
- Pérez, F., and V. Ortega. A graphical method for the design of feedback networks for microwave transistor amplifiers: Theory and applications; *T-MTT Oct 81* 1019-1027
- Pérez, F., and V. Ortega. A 0.15 - 12-GHz matched feedback amplifier using commercially available FET's (Short p.); *T-MTT Aug 82* 1289-1290
- Pérez, F., see Villar, J. C., *T-MTT Mar 85* 210-215
- Pérez, F. M. Z.-t., see Ballesteros, E., *T-MTT Mar 88* 499-504
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- Pérez, J., see Hernández-Gil, F., *MWSYM 86* 221-224
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- Perini, J., see Li, P. G., *T-MTT Apr 84* 365-373
- Perini, J., see Leviatan, Y., *T-MTT Jun 85* 556
- Perkins, T. O., III, J. Teunas, A. J. Cann, M. R. Richmond, and W. J. Bradley. A low cost, accurate, target detecting device for altimetry and fuzing; *MWSYM 85* 155-158
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- Perlmutter, P., J. E. Baran, and Y. Silberberg. Optical crosstalk due to electrical coupling in high-speed lithium niobate devices; *MWSYM 87 Vol. 2* 641-643
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- Perlow, S. M., and A. Presser. The interdigitated three-strip coupler (Short p.); *T-MTT Oct 84* 1418-1422
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- Perlow, S. M. Analysis of edge-coupled shielded strip and slabline structures; *T-MTT May 87* 522-529
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- Peronnet, G., see Bolomey, J.-C., *T-MTT Sep 83* 777-781
- Peronnet, G., see Bolomey, J.-C., *T-MTT Jun 84* 648
- Petenzi, M., see Gelin, P., *T-MTT Feb 81* 107-114
- Petermann, K., and G. Arnold. Noise and distortion characteristics of semiconductor lasers in optical fiber communication systems; *T-MTT Apr 82* 389-401
- Peterson, D. F., see Mains, R. K., *T-MTT Nov 81* 1154-1160
- Peterson, D. F. Radial-symmetric N-way TEM-line IMPATT diode power combining arrays; *T-MTT Feb 82* 163-173
- Peterson, D. F. Harmonic power combining of microwave solid-state active devices; *T-MTT Mar 82* 260-268

- Peterson, D. F. Efficient, broadband circuit performance of millimeter-wave IMPATT-diode power amplifiers; *MWSYM 84* 394-396
- Peterson, D. L., A. M. Pavia, and B. Kim. A GaAs FET model for large-signal applications; *T-MTT Mar 84* 276-281
- Peterson, D. W., see Siegel, P. H., *T-MTT Jun 83* 473-484
- Peterson, V. E., see Van Tuyl, R. L., *T-MTT Jul 82* 935-942
- Pettenpaul, E. State-of-the-art of MMIC technology and design in West Germany; *MWSYM 87 Vol. 2* 763-766
- Pettenpaul, E., H. Kapusta, A. Weisgerber, H. Mampe, J. Luginsland, and I. Wolff. CAD models of lumped elements on GaAs up to 18 GHz; *T-MTT Feb 88* 294-304
- Pettersson, L., see Askne, J. I. H., *T-MTT May 82* 795-799
- Pfitzenmaier, G. Synthesis and realization of narrow-band canonical microwave bandpass filters exhibiting linear plane and transmission zero; *T-MTT Sep 82* 1300-1311
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- Pham, T., see Chang, K., *T-MTT Dec 85* 1375-1382
- Phelepps, F. R., see Hung, H.-L. A., *MCS 87* 97-100
- Phelepps, F. R., see Hung, H.-L. A., *MWSYM 87 Vol. 1* 89-92
- Phelepps, F. R., see Hung, H.-L. A., *MCS 88* 87-90
- Phelepps, F. R., see Hegazi, G. M., *MWSYM 88 Vol. 1* 409-412
- Phelepps, F. R., see Hung, H.-L. A., *T-MTT Dec 88* 1966-1975
- Philen, D. L., I. A. White, J. F. Kuhl, and S. C. Mettler. Single-mode fiber OTDR: Experiment and theory; *T-MTT Oct 82* 1487-1496
- Phillippou, G. Y., see Davies, J. B., *T-MTT Nov 82* 1975-1980
- Phillippe, P., W. El-Kamali, and V. Pauker. Physical equivalent circuit model for planar Schottky varactor diode; *T-MTT Feb 88* 250-255
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- Phillips, T. G., see Büttgenbach, T. H., *T-MTT Dec 88* 1720-1726
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- Pichot, C., see Bolomey, J.-C., *T-MTT Nov 82* 1998-2000.
- Pichot, C., see Bolomey, J.-C., *T-MTT Jun 84* 648
- Pichot, C., see Chommeloux, L., *T-MTT Oct 86* 1064-1076
- Pickard, W. F., see Gokhale, A. V., *T-MTT Aug 84* 795-797
- Pickett, H. M., and A. E. T. Chiu. Folded Fabry - Perot quasi-optical ring resonator diplexer: Theory and experiment; *T-MTT May 83* 373-380
- Pickett, H. M., J. C. Hardy, and J. Farhoomand. Characterization of a dual-mode horn for submillimeter wavelengths (Short p.); *T-MTT Aug 84* 936-937
- Pickett, H. M., see Batlaan, P. D., *T-MTT Apr 88* 694-700
- Picon, O., see Helard, M., *T-MTT Oct 85* 994-1003
- Picon, O., V. F. Hanna, and J. Citerne. Three dimensional finite-element formulation for finline discontinuity problems; *MWSYM 86* 789-792
- Picon, O., J.-P. Lefevre, V. F. Hanna, and J. Citerne. Exact calculation of scattering parameters of the coplanar - slot transition in a unilateral finline technology; *MWSYM 87 Vol. 2* 621-624
- Picon, O., V. F. Hanna, J. Citerne, and J.-P. Lefevre. Exact calculation of scattering parameters of the coplanar - slot transition in unilateral finline technology; *T-MTT Dec 87* 1408-1413
- Pierpoint, M., R. D. Pollard, and J. R. Richardson. An automated measurement technique for measuring amplifier load - pull and verifying large-signal device models; *MWSYM 86* 625-628
- Pierro, J., see Cappello, A. J., *T-MTT Mar 84* 226-230
- Pierro, J., and R. Clouse. An ultraminiature 5 - 10 GHz, 2-W transmit module for active aperture application; *MWSYM 87 Vol. 2* 941-944
- Pierzina, R., and J. Freyer. Power increase of pulsed millimeter-wave IMPATT diodes (Short p.); *T-MTT Nov 85* 1228-1231
- Pigeon, J., see Meunier, J. P., *T-MTT Jan 82* 108-109
- Pikulski, J., see Ramer, O. G., *T-MTT Oct 82* 1760-1767
- Pileri, S., see Sorrentino, R., *T-MTT Sep 81* 942-948
- Pinto, I., see Franceschetti, G., *T-MTT Jul 84* 653-658
- Piotrowski, J. K. Accurate and simple formulas for dispersion in fin-lines; *MWSYM 84* 333-335
- Piotrowski, J. K., see Schieblich, C., *T-MTT Dec 84* 1638-1645
- Piotrowski, J. K., see Omar, A. S., *MWSYM 86* 123-126
- Piotrowski, J. K. Efficient analysis of finline with finite metallization thickness; *MWSYM 86* 213-216
- Piotrowski, J. K. Comments, with reply, on 'Computer-aided design models for millimeter-wave finlines and suspended-substrate microstrip lines' by P. Pramanick and P. Bhartia (Original paper, Dec 85 1429-1435); *T-MTT Nov 86* 1228-1229
- Piotrowski, W. S., see Chang, K., *MWSYM 85* 371-374
- Piotrowski, W. S., see Chang, K., *T-MTT Dec 85* 1375-1382
- Pires, P. S. M., D. A. Rogers, E. J. Bochove, and R. F. Souza. Prediction of laser wavelength for minimum total dispersion in single-mode step-index fibers; *T-MTT Feb 82* 131-140
- Pires, P. S. M., and D. A. Rogers. Single-mode fiber design for minimum dispersion (Short p.); *T-MTT Nov 83* 959-962
- Pires, P. S. M., A. J. Girola, and R. F. Souza. Two core radii for minimum total dispersion in single-mode step-index optical fibers (Short p.); *T-MTT Apr 86* 453-456
- Piro, P., see Merenda, J. L., *MWSYM 88 Vol. 2* 695-698
- Pitzalis, O., see Sango, M., *MWSYM 88 Vol. 2* 1053-1056
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- Pitzalis, O., Jr., see Gupta, M. S., *T-MTT Dec 87* 1208-1218
- Plambeck, R. L., see Carlstrom, J. E., *T-MTT Jul 85* 610-619
- Platte, W. Optoelectronic microwave switching via laser-induced plasma tapers in GaAs microstrip sections; *T-MTT Oct 81* 1010-1019
- Platzker, A., see Ayasli, Y., *T-MTT Dec 82* 2201-2206
- Platzker, A., see Dao, T., *MWSYM 86* 459-462
- Playez, E., see Dambrine, G., *T-MTT Jul 88* 1151-1159
- Pley, M., and W. C. Tang. A Ku-band contiguous multiplexer employing low-loss, odd-order, mixed dual-triple mode cavity filters; *MWSYM 85* 346-348
- Plourde, J. K., and C.-L. Ren. Application of dielectric resonators in microwave components; *T-MTT Aug 81* 754-770
- Podcameni, A., and L. A. Bermúdez. Large scale design of GaAs FET oscillators using input dielectric resonators (Short p.); *T-MTT Apr 83* 358-361
- Podcameni, A., and L. F. M. Conrado. A new approach for the design of microwave oscillators and filters using dielectric resonators; *MWSYM 85* 169-172
- Podcameni, A., and L. F. M. Conrado. Design of microwave oscillators and filters using transmission-mode dielectric resonators coupled to microstrip lines; *T-MTT Dec 85* 1329-1332
- Podcameni, A. Symmetrical and asymmetrical edge-coupled-line impedance transformers with a prescribed insertion loss design; *T-MTT Jan 86* 1-7
- Podell, A., see Liechti, C. A., *T-MTT Jul 82* 998-1006
- Podell, A., see Ferguson, D., *MCS 84* 34-36
- Podell, A., and W. W. Nelson. High volume, low cost, MMIC receiver front end; *MCS 86* 57-59
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- Poelker, J., see Robertson, R. S., *MWSYM 88 Vol. 2* 1027-1030
- Poh, S. Y., W. C. Chew, and J. A. Kong. Approximate formulas for line capacitance and characteristic impedance of microstrip line; *T-MTT Feb 81* 135-142. Correction, Oct 81 1119
- Polak-Dingels, P., H.-L. A. Hung, T. Smith, H. C. Huang, K. J. Webb, and C. H. Lee. On-wafer characterization of monolithic millimeter-wave integrated circuits by a picosecond optical electronic technique; *MWSYM 88 Vol. 1* 237-240
- Politi, M., see Stracca, G. B., *T-MTT Mar 86* 359-363.
- Pollard, R. D., see Pierpoint, M., *MWSYM 86* 625-628
- Pollard, R. D., see Shepherd, P. R., *MWSYM 86* 629-632
- Pollard, R. D., see Shepherd, P. R., *T-MTT Dec 86* 1421-1426
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- Poncino, G. P., see Cazzola, R., *T-MTT Oct 83* 797-805
- Pond, J. M., J. H. Claassen, and W. L. Carter. Measurements and modeling of kinetic inductance microstrip delay lines; *MWSYM 87 Vol. 2* 925-928
- Pond, J. M., J. H. Claassen, and W. L. Carter. Measurements and modeling of kinetic inductance microstrip delay lines; *T-MTT Dec 87* 1256-1262
- Pond, J. M., and C. M. Krowne. Slow-wave properties of superconducting microstrip transmission lines; *MWSYM 88 Vol. 1* 449-452
- Pône, J.-F., see Mouis, M., *CORNEL 85* 144-153
- Poole, C. R., and D. K. Paul. Optimum noise measure terminations for microwave transistor amplifiers (Short p.); *T-MTT Nov 85* 1254-1257
- Popa, A. E. Military and aerospace applications of lightwave technology; *MWSYM 88 Vol. 2* 893-896
- Pope, D. J., see Tucker, R. S., *T-MTT Mar 83* 289-294
- Popel, R. Measured temperature-dependence of attenuation constant and phase velocity of a superconducting PbAu/SiO₂/Pb microstripline at 10 GHz and 30 GHz (Short p.); *T-MTT Jul 83* 600-604
- Porra, V., see Sipilä, M. T. A., *T-MTT Oct 88* 1397-1405
- Pospieszalski, M. W. Correction to 'Cylindrical dielectric resonators and their applications in TEM line microwave circuits' (Mar 79 233-238); *T-MTT Oct 81* 1119
- Pospieszalski, M. W., see Maj, S., *MWSYM 84* 190-192
- Pospieszalski, M. W., see Weinreb, S., *MWSYM 85* 539-542
- Pospieszalski, M. W., and W. Wiatr. Comments on Addendum to 'Design of microwave GaAs MESFET's for broad-band, low-noise amplifier' by H. Fukui (Original paper, Oct 81 1119); *T-MTT Jan 86* 194
- Pospieszalski, M. W. On the noise parameters of isolator and receiver with isolator at the input (Short p.); *T-MTT Apr 86* 451-453. Correction, Jun 86 746
- Pospieszalski, M. W. On the measurement of noise parameters of microwave two-ports (Short p.); *T-MTT Apr 86* 456-458
- Pospieszalski, M. W., and S. Weinreb. FET's and HEMT's at cryogenic temperatures—Their properties and use in low-noise amplifiers; *MWSYM 87 Vol. 2* 955-958
- Pospieszalski, M. W., see Weinreb, S., *MWSYM 88 Vol. 2* 945-948
- Pospieszalski, M. W. Comments, with reply, on 'A method for measurement of losses in the noise-matching microwave network while measuring transistor noise parameters' by G. Martinez and M. Sannino (Original paper, Jan 87 71-75); *T-MTT Jan 88* 170-172
- Pospieszalski, M. W., S. Weinreb, R. Norrod, and R. W. Harris. FET's and HEMT's at cryogenic temperatures—Their properties and use in low-noise amplifiers; *T-MTT Mar 88* 552-560
- Postoyalko, V. Green's function treatment of edge singularities in the quasi-TEM analysis of microstrip; *T-MTT Nov 86* 1092-1095
- Potoczniak, J. J., H. Jacobs, C. M. LoCasio, and G. Novick. Power combiner with Gunn diode oscillators; *T-MTT May 82* 724-728
- Pouvil, P., see Gautier, J.-L., *T-MTT Sep 85* 819-822
- Pouvil, P., see Pasquet, D., *T-MTT Jan 86* 172-175
- Pouysegur, M., J. Graffeuil, J. F. Sautereau, and J. P. Fortea. Comparative study of phase noise in HEMT and MESFET microwave oscillators; *MWSYM 87 Vol. 2* 557-560
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- Pozar, D. M., see Jackson, R. W., *MWSYM 85* 563-565
- Pozar, D. M., see Jackson, R. W., *T-MTT Oct 85* 1036-1042
- Pozar, D. M., see Das, N. K., *T-MTT Mar 87* 326-335
- Pozar, D. M., see Das, N. K., *T-MTT Jul 87* 636-642
- Pramanick, P., and P. Bhartia. Analysis and synthesis of tapered fin-lines; *MWSYM 84* 336-338
- Pramanick, P., see Bhartia, P., *T-MTT Oct 84* 1379-1384
- Pramanick, P., and P. Bhartia. CAD models for millimeter-wave suspended substrate microstrip lines and fin-lines; *MWSYM 85* 453-456

- Pramanick, P.**, and P. Bhartia. Accurate analysis equations and synthesis technique for unilateral finlines; *T-MTT Jan 85* 24-30
- Pramanick, P.**, and P. Bhartia. Computer-aided design models for millimeter-wave finlines and suspended-substrate microstrip lines; *T-MTT Dec 85* 1429-1435.
Comments, with reply, by Piotrowski, J. K., Nov 86 1228-1229
- Pramanick, P.**, and P. Bhartia. Modeling of the apparent characteristic impedance of finned-waveguide and finlines; *MWSYM 86* 225-228
- Pramanick, P.**, and P. Bhartia. A new model for the apparent characteristic impedance of finned waveguide and finlines; *T-MTT Dec 86* 1437-1441.
Correction, Apr 87 473
- Pramanick, P.**, and P. Bhartia. A generalized theory of tapered transmission line matching transformers and asymmetric 180° couplers supporting non-TEM modes; *MWSYM 87 Vol. 1* 361-364
- Pramanick, P.**, R. R. Mansour, and R. H. MacPhie. Computer aided design models for unilateral finlines with finite metallization thickness and arbitrarily located slot widths; *MWSYM 87 Vol. 2* 703-706
- Pramanick, P.**, see Bhartia, P., *T-MTT Nov 88* 1476-1481
- Pramanik, K.**, see Biswas, B. N., *T-MTT Mar 83* 271-276
- Prasad, K. V. S. V. R.**, see Das, B. N., *T-MTT Nov 84* 1427-1433
- Prasad, K. V. S. V. R.**, see Das, B. N., *T-MTT Nov 84* 1475-1479
- Prasad, K. V. S. V. R.**, see Das, B. N., *T-MTT Mar 86* 321-327
- Prasad, R.**, see Kalluri, D., *T-MTT Jul 86* 825-828
- Prasad, S. N.**, see Beyer, J. B., *T-MTT Mar 84* 268-275
- Prasad, S. N.**, J. B. Beyer, and I.-S. Chang. Power - bandwidth considerations in the design of MESFET distributed amplifiers; *T-MTT Jul 88* 1117-1123
- Prata, A., Jr.**, E. A. Filho, and S. Ghosh. A high performance - wide band - diplexing - tracking - depolarization correcting satellite communication antenna feed; *MWSYM 85* 477-480
- Pratesi, R.**, see Abbozzo, L. R., *T-MTT Apr 81* 378-383
- Predmore, C. R.**, A. V. Räisänen, N. R. Erickson, P. F. Goldsmith, and J. L. R. Marrero. A broad-band ultra-low-noise Schottky diode mixer receiver from 80 to 115 GHz; *T-MTT May 84* 498-507
- Predmore, C. R.**, N. R. Erickson, G. R. Huguenin, and P. F. Goldsmith. A continuous comparison radiometer at 97 GHz; *T-MTT Jan 85* 44-51.
Correction, Nov 85 1267
- Preece, A. W.**, see Johnson, R. H., *MWSYM 87 Vol. 1* 239-242
- Preece, A. W.**, see Johnson, R. H., *T-MTT Dec 87* 1317-1321
- Pregla, R.**, and S. B. Worm. The method of lines for the analysis of planar waveguides with magnetized ferrite substrate; *MWSYM 84* 348-350
- Pregla, R.**, see Worm, S. B., *T-MTT Feb 84* 191-196
- Presser, A.** A FET L-band phase/amplitude control module; *MWSYM 84* 384-386
- Presser, A.**, see Perlow, S. M., *T-MTT Oct 84* 1418-1422
- Pribetich, P.**, P. Kennis, C. Seguinot, S. Toutain, and P. Gelin. A slot antenna radiating in muscle; *MWSYM 84* 135-139
- Pribetich, P.**, and P. Kennis. Comments, with reply, on 'The hybrid-mode analysis of coupled microstrip-slot resonators' by K. Kawano (Original paper, Jan 85 38-43); *T-MTT Mar 86* 369-371
- Pribetich, P.**, see Ledee, R., *MWSYM 88 Vol. 1* 161-164
- Pribetich, P.**, see Delrue, R., *T-MTT Aug 88* 1285-1288
- Priest, R. G.**, see Giallorenzi, T. G., *T-MTT Apr 82* 472-511
- Priest, R. G.** Analysis of fiber interferometer utilizing 3×3 fiber coupler; *T-MTT Oct 82* 1589-1591
- Priest, R. G.**, see Stowe, D. W., *T-MTT Oct 82* 1632-1635
- Prieto, A.**, E. Rubio, J. Rodriguez, and J. L. Garcia. Comments, with reply, on 'Hollow image guide and overlaid image guide coupler' by J. F. Miao and T. Itoh (Original paper, Nov 82 1826-1831); *T-MTT Sep 83* 785-786
- Prieto, A.**, see Rodriguez, J., *T-MTT Aug 87* 681-687
- Prigent, M.**, and J. Obregon. Phase noise reduction in FET oscillators by low-frequency loading and feedback circuitry optimization (Short p.); *T-MTT Mar 87* 349-352
- Prim, A.**, see Karolkar, B. D., *T-MTT Jan 85* 64-66
- Pucel, R. A.** Design considerations for monolithic microwave circuits; *T-MTT Jun 81* 513-534
- Pucel, R. A.**, see Ayasli, Y., *T-MTT Jul 82* 976-981
- Pucel, R. A.**, see Vorhaus, J. L., *T-MTT Jul 82* 982-992
- Puleo, M.**, see Costa, B., *T-MTT Oct 82* 1497-1503
- Purviance, J.**, see MacFarland, A., *MWSYM 87 Vol. 2* 633-636
- Purviance, J.**, D. Criss, and D. Monteith. FET model statistics and their effects on design centering and yield prediction for microwave amplifiers; *MWSYM 88 Vol. 1* 315-318
- Purviance, J.**, W. Brakensiek, D. Monteith, and T. Ferguson. Matching structures for high yield amplifier design; *MWSYM 88 Vol. 1* 375-378
- Purviance, J.**, and M. D. Meehan. A sensitivity figure for yield improvement; *T-MTT Feb 88* 413-417
- Purviance, J.**, see Monteith, D., *T-MTT Dec 88* 1621-1628
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- Qi, L.**, and C. Gu. A method for obtaining dispersion characteristics of shielded microstrip lines; *MWSYM 88 Vol. 1* 399-402
- Qi, X.-X.**, see Shu, Y.-h., *MWSYM 87 Vol. 2* 693-696
- Qian, J.-R.**, and W.-C. Zhuang. New narrow-band dual-mode bandstop waveguide filters; *T-MTT Dec 83* 1045-1050. *Correction, Mar 84* 324
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- Qing, H.**, A. A. Oliner, and A. Sanchez. A new leaky waveguide for millimeter waves using nonradiative dielectric (NRD) waveguide—II: Comparison with experiments; *T-MTT Aug 87* 748-752
- Qin, Z.**, and T. Itoh. Spectral-domain analysis of scattering from E-plane circuit elements; *T-MTT Feb 87* 138-150. *Correction, Aug 87* 786-787
- Quddus, M. A.**, see Nichols, K. B., *CORNEL 87* Paper 37
- Quentin, P.**, see Mamodaly, N., *T-MTT Jun 82* 918-919
- Quere, R.**, see Joer, J. P., *MWSYM 86* 597-600
- Quere, R.**, see Gayral, M., *MWSYM 87 Vol. 1* 119-121
- Quere, R.**, see Guo, C., *MWSYM 88 Vol. 2* 1115-1118
- Quine, J. P.**, H. F. Webster, H. H. Glascock, II, and R. O. Carlson. Characterization of via connections in silicon circuit boards; *T-MTT Jan 88* 21-27
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- Rabe, S.**, see Nichols, K. B., *CORNEL 87* Paper 37
- Rabel, J. A.**, S. W. Schell, and D. Davidson. 140 and 220 GHz ferrite components; *MWSYM 85* 233-236
- Radcliffe, C. J.**, see Cameron, R. J., *T-MTT Jul 82* 1041-1050
- Rademacher, L. J.** Comments, with reply, on 'A spectral-domain analysis of periodically nonuniform microstrip lines' by F. J. Glandorf and I. Wolff (Original paper, Mar 87 336-343); *T-MTT Mar 88* 622-624
- Rademeyer, P.**, see Abrie, P. L. D., *T-MTT Aug 85* 711-713
- Radmanesh, M.**, C. M. Chu, and G. I. Haddad. Magnetostatic-wave propagation in a finite YIG-loaded rectangular waveguide; *MWSYM 86* 469-472
- Radmanesh, M.**, C.-M. Chu, and G. I. Haddad. Magnetostatic wave propagation in a finite YIG-loaded rectangular waveguide; *T-MTT Dec 86* 1377-1382
- Radmanesh, M.**, C. M. Chu, and G. I. Haddad. Magnetostatic waves in a normally magnetized waveguide structure; *MWSYM 87 Vol. 2* 997-1000
- Radmanesh, M.**, C.-M. Chu, and G. I. Haddad. Magnetostatic waves in a normally magnetized waveguide structure; *T-MTT Dec 87* 1226-1230
- Radmanesh, M.**, C. M. Chu, and G. I. Haddad. The analysis of magnetostatic waves in a waveguide using the integral equation method; *MWSYM 88 Vol. 2* 765-768
- Radojewski, J.**, see Patela, S., *MWSYM 85* 299-302
- Radulescu, D. C.**, see Chen, Y.-K., *CORNEL 87* Paper 8
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- Ragonese, L. J.**, see Altes, S. K., *T-MTT Dec 86* 1533-1537
- Rahman, B. M. A.**, and J. B. Davies. Finite-element analysis of optical and microwave waveguide problems; *T-MTT Jan 84* 20-28
- Rahman, B. M. A.**, see Davies, J. B., *MWSYM 87 Vol. 2* 637-640
- Railton, C. J.**, and T. Rozzi. Complex modes in boxed microstrip; *T-MTT May 88* 865-874
- Railton, C. J.**, and T. Rozzi. The rigorous analysis of cascaded step discontinuities in microstrip; *T-MTT Jul 88* 1177-1185
- Rainville, P.**, see Hung, H.-L. A., *MCS 88* 87-90
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- Raisänen, A. V.**, see Predmore, C. R., *T-MTT May 84* 498-507
- Raisänen, A. V.**, W. R. McGrath, P. L. Richards, and F. L. Lloyd. A simple integrated matching element for SIS quasiparticle mixers; *MWSYM 85* 669-672
- Raisänen, A. V.**, W. R. McGrath, P. L. Richards, and F. L. Lloyd. Broad-band RF match to a millimeter-wave SIS quasi-particle mixer; *T-MTT Dec 85* 1495-1500
- Raisänen, A. V.**, D. G. Crété, P. L. Richards, and F. L. Lloyd. A 100 GHz SIS quasiparticle mixer with 10 dB coupled gain; *MWSYM 87 Vol. 2* 929-930
- Rajaratnam, A.**, see Neelakantaswamy, P. S., *T-MTT Nov 82* 2005-2008
- Raju, G. S. N.**, see Das, B. N., *T-MTT Mar 88* 604-606
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- Ramachandran, R.**, S. B. Moghe, P. Ho, and A. Podell. An 8 - 15 GHz GaAs monolithic frequency converter; *MCS 87* 31-34
- Ramachandran, R.**, S. B. Moghe, G. Lizama, P. Ho, and A. Podell. An 8 - 15 GHz GaAs monolithic frequency converter; *T-MTT Dec 87* 1471-1476
- Ramachandran, R.**, S. B. Moghe, J. Girimaji, and A. Podell. 6 to 18 GHz single-ended and push - pull MMIC amplifiers for high-gain modules; *MCS 88* 15-18
- Ramadan, M.** Analog signals transmission over optical fiber systems; *MWSYM 85* 303-306
- Ramakrishna, K.**, see Foster, K. R., *T-MTT Aug 82* 1158-1165.
- Ramaswamy, V. R.**, see Alferness, R. C., *T-MTT Oct 82* 1795-1801
- Ramberg, L. P.**, see Zirath, H., *T-MTT Nov 88* 1469-1475
- Ramer, O. G.**, C. Mohr, and J. Pikulski. Polarization-independent optical switch with multiple sections of reversal and a Gaussian taper function; *T-MTT Oct 82* 1760-1767
- Ramskov Hansen, J. J.**, see Payne, D. N., *T-MTT Apr 82* 323-334
- Rankin, J. B.**, see Gopinath, A., *T-MTT Jun 82* 869-875
- Rankin, J. B.**, see Gopinath, A., *T-MTT Jun 82* 919-920
- Rankin, J. B.**, see Gopinath, A., *CORNEL 85* 82-91
- Ransome, S.**, see Hill, A. J., *CORNEL 85* 128-135
- Rao, J. S.**, K. K. Joshi, and B. N. Das. Analysis of small aperture coupling between rectangular waveguide and microstrip line; *T-MTT Feb 81* 150-154
- Rao, K. V. Seshagiri.**, see Seshagiri Rao, K. V.
- Rao, M. A.**, S. I. Long, and H. Kroemer. A self-aligned AlGaAs/GaAs heterostructure bipolar transistor with non-alloyed graded-gap ohmic contacts to the base and emitter; *CORNEL 87* Paper 33
- Rao, S. M.**, T. K. Sarkar, and R. F. Harrington. The electrostatic field of conducting bodies in multiple dielectric media; *T-MTT Nov 84* 1441-1448
- Rao, S. M.**, see Venkataraman, J., *T-MTT Oct 85* 952-959
- Rao, S. M.**, see Djordjević, A. R., *T-MTT Oct 85* 960-966
- Rappaport, C. M.**, and F. R. Morgenthaler. Localized hyperthermia with electromagnetic arrays and the leaky-wave troughguide applicator; *T-MTT May 86* 638-643
- Rappaport, C. M.**, and F. R. Morgenthaler. Optimal source distribution for maximum power dissipation at the center of a lossy sphere; *MWSYM 87 Vol. 1* 247-250
- Rappaport, C. M.**, and F. R. Morgenthaler. Optimal source distribution for hyperthermia at the center of a sphere of muscle tissue; *T-MTT Dec 87* 1322-1327
- Rashleigh, S. C.**, see Giallorenzi, T. G., *T-MTT Apr 82* 472-511
- Rashleigh, S. C.**, and M. J. Marrone. Polarization holding in elliptical-core birefringent fibers; *T-MTT Oct 82* 1503-1511
- Raskmark, P.**, and J. B. Andersen. Focused electromagnetic heating of muscle tissue (Short p.); *T-MTT Aug 84* 887-888
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- Rastefano, E., see Whalen, J. J., *T-MTT Dec 82* 2206-2211
- Rathman, D. D., and W. K. Niblack. Silicon permeable base transistors for low-phase-noise oscillator applications up to 20 GHz; *MWSYM 88 Vol. 1* 537-540
- Rauscher, C. Large-signal technique for designing single-frequency and voltage-controlled GaAs FET oscillators; *T-MTT Apr 81* 293-304
- Rauscher, C. High-frequency doubler operation of GaAs field-effect transistors; *T-MTT Jun 83* 462-473
- Rauscher, C. Regenerative frequency division with a GaAs FET; *T-MTT Nov 84* 1461-1468
- Rauscher, C. Distributed microwave active filters with GaAs FETs; *MWSYM 85* 273-276
- Rauscher, C. Microwave active filters based on transversal and recursive principles; *T-MTT Dec 85* 1350-1360
- Rauscher, C., L. Goldberg, and A. M. Yurek. Self-oscillating GaAs FET demodulator and downconverter for microwave modulated optical signals; *MWSYM 86* 721-724
- Rauscher, C. Picosecond reflectometry technique for on-chip characterization of millimeter-wave semiconductor devices; *MWSYM 87 Vol. 2* 881-884
- Rautio, J. C. Techniques for correcting scattering parameter data of an imperfectly terminated multiport when measured with a two-port network analyzer (Short p.); *T-MTT May 83* 407-412
- Rautio, J. C., and R. F. Harrington. An efficient electromagnetic analysis of arbitrary microstrip circuits; *MWSYM 87 Vol. 1* 295-298
- Rautio, J. C., and R. F. Harrington. An electromagnetic time-harmonic analysis of shielded microstrip circuits; *T-MTT Aug 87* 726-730
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- Reddy, C. J., see Deshpande, M. D., *T-MTT Jul 87* 672-675
- Reddy, C. J., and M. D. Deshpande. Analysis of coupled cylindrical striplines filled with multilayered dielectrics; *T-MTT Sep 88* 1301-1310
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- Reed, K. W., A. K. Reddy, and W. A. Davis. Collinearly excited edge coupled resonators; *MWSYM 85* 519-522
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- Reinert, W., see Vowinkel, B., *T-MTT Dec 83* 996-1001
- Reinhart, F. K., R. A. Logan, and W. R. Sinclair. Electrooptic polarization modulation in multielectrode Al_xGa_{1-x} rib waveguides; *T-MTT Apr 82* 609-612
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- Rhyne, G. W., and M. B. Steer. Simulation of intermodulation distortion in MESFET circuits with arbitrary frequency separation of tones; *MWSYM 86* 547-550
- Rhyne, G. W., and M. B. Steer. Generalized power series analysis of intermodulation distortion in a MESFET amplifier: Simulation and experiment; *MWSYM 87 Vol. 1* 115-118
- Rhyne, G. W., and M. B. Steer. Generalized power series analysis of intermodulation distortion in a MESFET amplifier: Simulation and experiment; *T-MTT Dec 87* 1248-1255
- Rhyne, G. W., M. B. Steer, and B. D. Bates. Frequency-domain nonlinear circuit analysis using generalized power series; *T-MTT Feb 88* 379-387
- Riazi, A., D. W. Hill, M. J. Hagmann, O. P. Gandhi, and J. A. D'Andrea. A broad-band temperature-controlled system for the study of cellular bioeffects of microwaves (Short p.); *T-MTT Nov 82* 1996-1998
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- Richards, P. L., see Crété, D.-G., *T-MTT Apr 87* 435-440
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- Rizk, M. R. M., see Bandler, J. W., *T-MTT Jul 81* 719-723
- Rizzoli, V., and A. Lippardini. Bloch-wave analysis of stripline- and microstrip-array slow-wave structures; *T-MTT Feb 81* 143-150
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- Rizzoli, V., A. Lippardini, and E. Marazzi. A general-purpose program for nonlinear microwave circuit design; *T-MTT Sep 83* 762-770
- Rizzoli, V., and A. Lippardini. A CAD solution to the generalized problem of noise figure calculation; *MWSYM 85* 699-702
- Rizzoli, V., and A. Lippardini. General stability analysis of periodic steady-state regimes in nonlinear microwave circuits; *T-MTT Jan 85* 30-37
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- Rizzoli, V., and A. Neri. Global stability analysis of microwave circuits by a frequency-domain approach; *MWSYM 87 Vol. 2* 689-692
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- Rizzoli, V., C. Cecchetti, A. Lipparini, and F. Matri. General-purpose harmonic balance analysis of nonlinear microwave circuits under multitone excitation; *T-MTT Dec 88* 1650-1660
- Roan, G. T., and K. A. Zaki. Computer-aided design of microstrip filters by iterated analysis; *T-MTT Nov 88* 1482-1487
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- Roberts, N. J., Jr., S. M. Michaelson, and S.-T. Lu. Exposure of human mononuclear leukocytes to microwave energy pulse modulated at 16 or 60 Hz; *T-MTT Aug 84* 803-807
- Robertson, R. S., see Eisenhart, R. L., *MWSYM 85* 529-530
- Robertson, R. S., R. T. Kihm, E. L. Holzman, J. Poelker, and R. L. Bowen. A noncoherent W-band transceiver; *MWSYM 88 Vol. 2* 1027-1030
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- Rodriguez, L., see Dorta, P., *MWSYM 88 Vol. 2* 861-864
- Rodriguez, J., see Prieto, A., *T-MTT Sep 83* 785-786
- Rodriguez, J., and A. Prieto. Wide-band directional couplers in dielectric waveguide; *T-MTT Aug 87* 681-687
- Rodwell, M. J. W., M. Riazat, K. J. Weingarten, and D. M. Bloom. Internal microwave propagation and distortion characteristics of travelling-wave amplifiers studied by electro-optic sampling; *MWSYM 86* 333-336
- Rodwell, M. J. W., M. Riazat, K. J. Weingarten, B. A. Auld, and D. M. Bloom. Internal microwave propagation and distortion characteristics of travelling-wave amplifiers studied by electrooptic sampling; *T-MTT Dec 86* 1356-1362
- Rodwell, M. J. W., see Weingarten, K. J., *CORNEL 87 Paper 7*
- Rodwell, M. J. W., see Weingarten, K. J., *MWSYM 87 Vol. 2* 877-880
- Roemer, R., see Hynynen, K., *T-MTT May 86* 552-559
- Rogers, D. A., see Pires, P. S. M., *T-MTT Feb 82* 131-140
- Rogers, D. A., see Pires, P. S. M., *T-MTT Nov 83* 959-962
- Rogers, D. A., see D'Assunção, A. G., *MWSYM 87 Vol. 1* 331-332
- Rogers, J., see De Panfilis, S., *T-MTT Mar 86* 607-610
- Rogers, R. G. Comments on 'Transmission line identities for a class of interconnected coupled-line sections with application to adjustable microstrip and stripline tuners' by A. A. M. Saleh (Original paper, Jul 80 725-732); *T-MTT Aug 81* 832
- Rohdin, H., C.-Y. Su, and C. A. Stolte. A study of the relation between device low-frequency noise and oscillator phase noise for GaAs MESFETs; *MWSYM 84* 267-269
- Rokushima, K., J. Yamakita, S. Mori, and K. Tominaga. Unified approach to wave diffraction by space - time periodic anisotropic media; *T-MTT Nov 87* 937-945
- Rolla, P. A., see Martinelli, M., *T-MTT Sep 85* 779-783
- Rolland, P. A., see Dalle, C., *CORNEL 85* 351-359
- Rolland, P. A., A. Cappy, and M. R. Friscourt. GaAs monolithic transferred-electron devices for millimeter wave applications; *MWSYM 85* 427-430
- Romanofsky, R. R., K. B. Bhasin, G. E. Ponchak, A. N. Downey, and D. J. Connolly. An experimental investigation of microstrip properties on soft substrates from 2 to 40 GHz; *MWSYM 85* 675-678
- Romeo, F., and M. Santomaro. Time-domain simulation of n coupled transmission lines; *T-MTT Feb 87* 131-137
- Ron, A., see Golomb, D., *T-MTT Jun 88* 934-938
- Rong, A., and S. Li. Generalized analysis of E-plane septa discontinuities; *MWSYM 87 Vol. 2* 721-724
- Rong, A., and S. Li. Frequency-dependent characteristics of gap discontinuities in suspended striplines for millimeter-wave applications; *MWSYM 88 Vol. 1* 355-358
- Roos, M., see Sotoudeh, V., *MWSYM 87 Vol. 1* 269-272
- Roos, M., and V. Sotoudeh. A measurement and calibration technique for accurate measurement of amplifier S parameters; *MWSYM 87 Vol. 1* 449-451
- Rose, R. W., see Majewski, M. L., *T-MTT Aug 81* 799-805
- Rosen, A., M. Caulton, P. J. Stabile, A. M. Gombar, W. M. Janton, C. P. Wu, J. F. Corboy, and C. W. Magee. Millimeter-wave device technology; *T-MTT Jan 82* 47-55
- Rosen, A., see Caulton, M., *T-MTT Jun 82* 875-882
- Rosen, A., see Stabile, P. J., *MWSYM 84* 448-450
- Rosen, A., see Chang, C. S., *MWSYM 84* 540-541
- Rosen, A., see Lee, C. H., *MWSYM 85* 178-181
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- Rosen, A., see Daryoush, A. S., *MWSYM 86* 109-112
- Rosen, A., see Daryoush, A. S., *T-MTT Dec 86* 1371-1376
- Rosen, A., see Kim, A., *MWSYM 88 Vol. 2* 1071-1074
- Rosen, J. S., see Nienhenke, E. C., *T-MTT Dec 82* 2194-2200
- Rosenbaum, F. J., see Madjar, A., *T-MTT Aug 81* 781-788
- Rosenbaum, F. J., see Gilmore, R. J., *T-MTT Aug 83* 633-639
- Rosenbaum, F. J., see Gilmore, R. J., *MWSYM 84* 430-431
- Rosenbaum, F. J., see Godshalk, E. M., *MWSYM 84* 455-456
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- Rosenbaum, F. J., see Kawai, T., *MWSYM 87 Vol. 1* 103-106
- Rosenbaum, F. J., see Sachs, R., *MWSYM 88 Vol. 1* 359-361
- Rosenbaum, J., see Driscoll, M. M., *MWSYM 87 Vol. 2* 801-804
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- Rosenbaum, S. E., see Gupta, M. S., *T-MTT Dec 87* 1208-1218
- Rosenberg, J. J., see Woodall, J. M., *CORNEL 87 Paper 3*
- Rosloniec, S. Design of coupled microstrip lines by optimization methods (Short p.); *T-MTT Nov 87* 1072-1074
- Rosowsky, D., and D. Wolk. A 450-W output multiplexer for direct broadcasting satellites; *T-MTT Sep 82* 1317-1323
- Ross, M., and R. G. Harrison. Optimization of distributed monolithic GaAs amplifiers using an analytical/graphical technique; *MWSYM 88 Vol. 1* 379-382
- Ross, R. L., see Ondria, J., *MWSYM 87 Vol. 2* 977-980
- Rotholz, E. Transmission-line transformers; *T-MTT Apr 81* 327-331
- Rothwell, E. J., and L. L. Frasch. Propagation characteristics of dielectric-rod-loaded waveguides; *T-MTT Mar 88* 594-600
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- Roumeliotis, J. A., see Metrou, N. M., *T-MTT Mar 82* 217-220
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- Rousset, D., see Guo, C., *T-MTT Dec 87* 1348-1354
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- Rowbotham, T. R. Fibre optic systems in UK and Europe; *MWSYM 88 Vol. 2* 823-826
- Rowe, D. A., see Lao, B. Y., *T-MTT Dec 81* 1327-1333
- Rowe, D. A., and B. Y. Lao. Numerical analysis of shielded coplanar waveguides; *T-MTT Nov 83* 911-915
- Roy, M. K. Comments, with reply, on 'Sidelobe suppression in low and high time - bandwidth products of linear FM pulse compression filters' by K. M. El-Shennaway, et al. (Original paper, Sep 87 807-811); *T-MTT Oct 88* 1458
- Roy, R. P., J. Ku, I. Kaufman, and S. P. Kalra. Microwave characterization of liquid films; *MWSYM 85* 185-187
- Rozzi, T., see Olley, C. A., *T-MTT Nov 86* 1147-1156
- Rozzi, T., and S. J. Hedges. Rigorous analysis and network modeling of the inset dielectric guide; *T-MTT Sep 87* 823-834
- Rozzi, T., G. Cerri, F. Chiaraluce, R. De Leo, and R. F. Ormondroyd. Finite curvature and corrugations in dielectric ridge waveguides; *T-MTT Jan 88* 68-79
- Rozzi, T., see Olley, C. A., *T-MTT Jan 88* 86-95
- Rozzi, T., and L. Ma. Mode completeness, normalization, and Green's function of the inset dielectric guide; *T-MTT Mar 88* 542-551
- Rozzi, T., see Railton, C. J., *T-MTT May 88* 865-874
- Rozzi, T., see Railton, C. J., *T-MTT Jul 88* 1177-1185
- Ruan, J.-P. Steady-state, quasi-steady-state and transient-state analysis of delay line discriminators for FM noise measurement; *MWSYM 87 Vol. 1* 289-290
- Rubin, B. J., and H. L. Bertoni. Waves guided by conductive strips above a periodically perforated ground plane; *T-MTT Jul 83* 541-549
- Rubin, B. J. The propagation characteristics of signal lines in a mesh-plane environment; *T-MTT May 84* 522-531
- Rubin, D. Millimeter-wave hybrid coupled reflector amplifiers and multiplexers; *T-MTT Dec 82* 2156-2162
- Rubio, E., see Prieto, A., *T-MTT Sep 83* 785-786
- Rucker, C. T., J. W. Amoss, and G. N. Hill. Chip level IMPATT combining at 40 GHz; *T-MTT Dec 81* 1266-1271
- Rucker, C. T. 1987 MTT-S Awards; *T-MTT Dec 87* 1100-1104
- Rudelle, M.-L., see Leblanc, R., *MCS 88* 109-111
- Rudelle, M.-L., see Leblanc, R., *MWSYM 88 Vol. 1* 99-101
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- Ruggieri, M., see Giannini, F., *T-MTT Mar 86* 363-366
- Ruggieri, M., see Giannini, F., *T-MTT Feb 88* 305-313
- Ruggiero, S. T., see Schwarzbek, S. M., *T-MTT Sep 86* 977-981.
- Rush, J. D., see Ainslie, B. J., *T-MTT Apr 82* 360-369
- Russer, P., and G. Arnold. Direct modulation of semiconductor injection lasers; *T-MTT Nov 82* 1809-1821
- Russer, P., see Stroh, K. M., *MCS 86* 93-97
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- Rutledge, D. B., see Hwu, R. J., *MWSYM 88 Vol. 1* 533-537
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- Rutledge, D. B., see Jou, C. F., *T-MTT Nov 88* 1507-1514
- Ruxton, J., and R. Vahldieck. A wideband finline power divider in a metallized plastic housing: Design and performance; *MWSYM 87 Vol. 1* 215-218
- Ruxton, J., see Vahldieck, R., *MWSYM 87 Vol. 1* 349-352
- Ruxton, J., R. Vahldieck, and W. J. R. Hoefer. A 20 GHz FET amplifier in an integrated finline/microstrip configuration; *MWSYM 88 Vol. 2* 769-772
- Ryan, C., see O'Neil, V. P., *MCS 84* 14-18
- Ryan, C. E., Jr., see Cravey, R. W., *T-MTT Feb 87* 205-206
- Rydborg, A., and P. T. Lewin. An investigation of parametric noise in millimeter-wave IMPATT oscillators; *T-MTT Jul 87* 663-671

- Sachs, R., and F. J. Rosenbaum. Scattering from 3-dimensional discontinuities in microwave transmission lines; *MWSYM 88 Vol. 1* 359-361
- Sachse, K., see Sawicki, A., *T-MTT Feb 86* 236-244
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- Sadler, R. A., see Seo, K., *CORNEL 85* 154-162
- Sadler, R. A., see Menk, G. E., *CORNEL 87* Paper 18
- Sadler, R. A., see Geissberger, A. E., *MWSYM 87 Vol. 2* 665-668
- Sadler, R. A., see Geissberger, A. E., *MWSYM 88 Vol. 2* 569-572
- Sadler, R. A., see Geissberger, A. E., *T-MTT Dec 88* 1706-1713
- Safavi-Naini, R., and R. H. MacPhie. On solving waveguide junction scattering problems by the conservation of complex power technique; *T-MTT Apr 81* 337-343
- Safavi-Naini, R., and R. H. MacPhie. Scattering at rectangular-to-rectangular waveguide junctions (Short p.); *T-MTT Nov 82* 2060-2063
- Sagawa, M., M. Makimoto, and S. Yamashita. A design method of bandpass filters using dielectric-filled coaxial resonators (Short p.); *T-MTT Feb 85* 152-157
- Sagawa, M., see Makimoto, M., *MWSYM 86* 411-414
- Sagawa, M., I. Ishigaki, M. Makimoto, and T. Naruse. Dielectric split-ring resonators and their application to filters and oscillators; *MWSYM 88 Vol. 2* 605-608
- Saguet, P., see Wu, K., *MWSYM 87 Vol. 2* 629-632
- Saguet, P., see So, P., *MWSYM 88 Vol. 1* 335-338
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- Sahalos, J. N., and E. Vafiadis. On the narrow-band microwave filter design using a dielectric rod; *T-MTT Nov 85* 1165-1171
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- Saito, T., see Shigaki, M., *T-MTT Apr 88* 772-774
- Sakagami, I., N. Miki, N. Nagai, and K. Hatori. Digital frequency multipliers using multisection two-strip coupled line; *T-MTT Feb 81* 118-122
- Sakagami, I., N. Nagai, and K. Hatori. On reducing the period of input pulse trains using coupled-line networks; *T-MTT Apr 87* 409-414
- Sakaguchi, M., see Kondo, M., *T-MTT Oct 82* 1747-1753
- Sakai, J.-I., S. Machida, and T. Kimura. Degree of polarization in anisotropic single-mode optical fibers: Theory; *T-MTT Apr 82* 334-341
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- Salcman, M., G. Neuberth, R. W. Nudelman, F. T. Ferraro, and M. Hartman. Swept frequency measurements of microwave antennas in feline and canine brain; *MWSYM 86* 771-774
- Saleh, A. A. M. Planar multiport quadrature-like power dividers/combiners; *T-MTT Apr 81* 332-337
- Saleh, A. A. M., and D. C. Cox. Improving the power-added efficiency of FET amplifiers operating with varying-envelope signals; *T-MTT Jan 83* 51-56
- Saleh, A. A. M., and M. F. Wazowicz. Efficient, linear amplification of varying-envelope signals using FET's with parabolic transfer characteristics; *T-MTT Aug 85* 703-710
- Saleh, M. B., see El-Deeb, N. A., *T-MTT Jul 83* 592-596
- Salerno, M., see Giannini, F., *T-MTT Sep 82* 1348-1353
- Salerno, M., R. Sorrentino, and F. Giannini. Image parameter design of noncommensurate distributed structures: An application to microstrip low-pass filters; *T-MTT Jan 86* 58-65
- Salib, M. L., D. E. Dawson, and H.-K. Hahn. Load-line analysis in the frequency domain with distributed amplifier design examples; *MWSYM 87 Vol. 2* 575-578
- Salimian, S., see Yuen, C., *T-MTT Jul 88* 1191-1195
- Salisbury, P., see Bettner, A., *MCS 87* 131-133
- Salisbury, P., see Bettner, A., *MWSYM 87 Vol. 1* 225-227
- Salmer, G., see Derycke, A. C., *T-MTT Jul 85* 600-609
- Salmer, G. Modeling of new microwave devices; *MWSYM 87 Vol. 2* 767-770
- Salmer, G., J. Zimmermann, and R. Fauquembergue. Modeling of MODFET's; *T-MTT Jul 88* 1124-1140
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- Sanchez, A., see Oliner, A. A., *T-MTT Sep 81* 855-869
- Sanchez, A., and A. A. Oliner. Microwave network analysis of a leaky-wave structure in non-radiative dielectric waveguide; *MWSYM 84* 118-120
- Sanchez, A., see Johnson, H. C., *MWSYM 84* 260-262
- Sanchez, A., and A. A. Oliner. A new leaky waveguide for millimeter waves using nonradiative dielectric (NRD) waveguide—I: Accurate theory; *T-MTT Aug 87* 737-747
- Sanchez, A., see Qing, H., *T-MTT Aug 87* 748-752
- Sander, W., see Haydl, W. H., *T-MTT May 81* 414-419
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- Sangiiovanni-Vincentelli, A., see Kundert, K. S., *T-MTT Feb 88* 366-378
- Sango, M., O. Pitzalis, L. Lerner, C. McGuire, P. Wang, and W. Childs. A GaAs MESFET large-signal circuit model for nonlinear analysis; *MWSYM 88 Vol. 2* 1053-1056
- Sannino, M., see Martinez, G., *T-MTT Aug 82* 1255-1259
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- Sapashe, C. A., see Pavo, A. M., *MWSYM 88 Vol. 1* 503-504
- Sapashe, C. A., see Pavo, A. M., *T-MTT Dec 88* 1948-1957
- Sard, E., see Cohen, L. D., *MWSYM 87 Vol. 1* 429-432
- Sarkar, B. K. Design consideration for high-isolation coaxial broad-band p-i-n diode switches and limiters (Short p.); *T-MTT Sep 83* 776-777
- Sarkar, S., and M. C. Agrawal. On the graceful degradation performance of multiple-device oscillators (Short p.); *T-MTT Feb 85* 168-170
- Sarkar, S., and O. S. Gupta. Dependence of the multiple-device oscillator injection-locking range on the number of constituent devices (Short p.); *T-MTT Jul 86* 839-840
- Sarkar, S., and O. S. Gupta. FM noise in multiple-device oscillators (Short p.); *T-MTT May 87* 533-535
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- Sarkar, T. K., see Wei, C., *T-MTT Apr 84* 439-450
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- Sarkar, T. K., see Mosig, J. R., *T-MTT Apr 86* 379-387
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- Sarkar, T. K., see Djordjević, A. R., *T-MTT Oct 87* 898-908
- Sarkar, T. K. Comments, with reply, on 'Comparison of the FFT conjugate gradient method and the finite-difference time domain method for the 2-D absorption problem' by D. T. Borup (Original paper, Apr 87 383-395); *T-MTT Jan 88* 166
- Sarmiento, G. S., see Utjes, J. C., *T-MTT Jan 88* 151-152
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- Sasaki, M., T. Nunotani, T. Inoue, and I. Yokoshima. Short millimeter wave region high accuracy power meter with self-calibration function; *MWSYM 85* 507-510
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- Sasaki, Y., see Ohmori, Y., *T-MTT Apr 82* 604-608
- Sasaki, Y., see Kobiki, M., *MCS 85* 31-34
- Sasaki, Y., K. Nagahama, K. Hosono, T. Katoh, and M. Komaru. A high electron mobility transistor with a mushroom gate fabricated by focused ion beam lithography; *MCS 88* 143-146
- Sasaki, Y., K. Nagahama, K. Hosono, T. Katoh, and M. Komaru. A high electron mobility transistor with a mushroom gate fabricated by focused ion beam lithography; *MWSYM 88 Vol. 1* 251-254
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- Satake, M., see Nemoto, Y., *T-MTT Apr 88* 635-641
- Sathiaselvan, V., M. F. Iskander, G. C. W. Howard, and N. M. Bleehen. Theoretical analysis and clinical demonstration of the effect of power pattern control using the annular phased-array hyperthermia system; *T-MTT May 86* 514-519
- Sato, G., C. Shibata, S. Sekimukai, H. Wakabayashi, K. Mitsuka, and K. Giga. Phase-controlled circular array heating equipment for deep-seated tumors: Preliminary experiments; *T-MTT May 86* 521-525
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- Sato, R., see Nemoto, Y., *T-MTT Apr 88* 635-641
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- Sau, J. B. I. A new lock indicator circuit for microwave and millimeter-wave phase locked loops (Short p.); *T-MTT Sep 88* 1362-1365
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- Saunier, P., H. Q. Tserng, B. Kim, and G. H. Westphal. Monolithic GaAs dual-gate FET variable power amplifier module; *MCS 85* 1-3
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- Sawamoto, K.-i., see Hano, K., *T-MTT Sep 86* 972-976
- Sawicki, A., and K. Sachse. Lower and upper bound calculations on the capacitance of multiconductor printed transmission line using the spectral-domain approach and variational method; *T-MTT Feb 86* 236-244
- Sawires, R., see Sholley, M., *MWSYM 85* 555-558
- Sayadian, H. A., M. G. Li, and C. H. Lee. Generation of kilowatt/kilovolt broadband microwave bursts with a single picosecond photoconductive switch; *MWSYM 87 Vol. 2* 649-652
- Sayed, M., see Dearden, L., *MWSYM 86* 385-388
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- Saylor, J. D., see Bahar, E., *MWSYM 84* 362-364
- Scalzi, G. J., A. J. Slobodnik, Jr., and G. A. Roberts. Network analyzer calibration using offset shorts (Short p.); *T-MTT Jun 88* 1097-1100
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- Schaller, G. Microwave and infrared thermograms of hot spots in tissue; *MWSYM 84* 148-149
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- Schellenberg, J. M., M. V. Maher, S. K. Wang, K. G. Wang, and K. K. Yu. 35 GHz low noise HEMT amplifier; *MWSYM 87 Vol. 1* 441-442
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- Schiavon, G., P. Tognolatti, and R. Sorrentino. Full-wave analysis of coupled-finline discontinuities; *MWSYM 88 Vol. 2* 725-728
- Schiavon, G., P. Tognolatti, and R. Sorrentino. Full-wave analysis of coupled finline discontinuities (Short p.); *T-MTT Dec 88* 1889-1894
- Schieblich, C., and J. H. Hinken. Synthesis of optimum fin-line tapers; *MWSYM 84* 420-421
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- Schindler, M. J., and A. M. Morris. DC - 40 GHz and 20 - 40 GHz MMIC SPDT switches; *T-MTT Dec 87* 1486-1493
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- Schindler, M. J., and M. E. Miller. A 3 bit K/Ka band MMIC phase shifter; *MCS 88* 95-98
- Schindler, M. J., M. E. Miller, and K. M. Simon. DC - 20 GHz $N \times M$ passive switches; *MWSYM 88 Vol. 2* 1001-1005
- Schindler, M. J., M. E. Miller, and K. M. Simon. DC - 20 GHz $N \times M$ passive switches; *T-MTT Dec 88* 1604-1613
- Schindler, M. J., J. P. Wendler, M. P. Zaitlin, M. E. Miller, and J. R. Dormail. A K/Ka-band distributed power amplifier with capacitive drain coupling; *T-MTT Dec 88* 1902-1907
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- Seo, K., S. Dhar, P. K. Bhattacharya, C. Ghosh, R. A. Sadler, and H. Lee. High performance GaAs material and submicron MESFETs by rapid thermal annealing; *CORNEL* 85 154-162
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- Sherrill, B. M., and N. G. Alexopoulos. The method of lines for the analysis of planar waveguides having uniaxially anisotropic substrates; *MWSYM* 87 Vol. 1 327-329
- Sherrill, B. M., and N. G. Alexopoulos. The method of lines applied to a finline/strip configuration on an anisotropic substrate; *T-MTT Jun 87* 568-575
- Sherrill, G. K., R. J. Matlack, and T. W. Crowe. Interfacial stress and excess noise in Schottky-barrier mixer diodes; *T-MTT Mar 86* 342-345
- Sheshadri, M. S., see Lee, S.-W., *T-MTT Jan 82* 12-19
- Shewchuk, T. J., P. C. Chapin, J. M. Gering, P. D. Coleman, W. Kopp, and H. Morkoc. Microwave admittance characterization of GaAs - $\text{Al}_x\text{Ga}_{1-x}\text{As}$ resonant tunneling heterostructures; *CORNEL* 85 370-379
- Shi, M.-Q., and D.-H. Jiang. Filled image guide for millimeter-wave circuits; *MWSYM* 87 Vol. 2 611-612
- Shibata, C., see Sato, G., *T-MTT May 86* 521-525
- Shibata, H., S. Minakawa, and R. Terakado. Analysis of the shielded-strip transmission line with an anisotropic medium (Short p.); *T-MTT Aug 82* 1264-1267
- Shibata, H., S. Minakawa, and R. Terakado. A numerical calculation of the capacitance for the rectangular coaxial line with offset inner conductor having an anisotropic dielectric; *T-MTT May 83* 385-391
- Shibata, H., and R. Terakado. Characteristics of transmission lines with a single wire for a multiwire circuit board; *T-MTT Apr 84* 360-364
- Shibata, H., Y. Kikuchi, and R. Terakado. Characteristic impedance of the slab line with an anisotropic dielectric (Short p.); *T-MTT May 85* 419-421
- Shibata, K., K. Hatori, Y. Tokumitsu, and H. Komizo. Microstrip spiral directional coupler; *T-MTT Jul 81* 680-689
- Shibata, K., B. Abe, H. Kawasaki, S. Hori, and K. Kamei. Broadband HEMT and GaAs FET amplifiers for 18 - 26.5 GHz; *MWSYM* 85 547-550
- Shibata, K., K. Nakayama, M. Ohtsubo, H. Kawasaki, S. Hori, and K. Kamei. 20-GHz-band low-noise HEMT amplifier; *MWSYM* 86 75-78
- Shibata, K., B. Abe, S. Hori, and K. Kamei. Broadband HEMT amplifier for 26.5 - 40.0 GHz; *MWSYM* 87 Vol. 2 1011-1014
- Shibata, T., T. Hayashi, and T. Kimura. Analysis of microstrip circuits using three-dimensional full-wave electromagnetic field analysis in the time domain; *T-MTT Jun 88* 1064-1070
- Shigaki, M., S. Yokogawa, H. Kurihara, and K. Yamada. GaAs monolithic DC - 6.4-GHz variable-gain feedback amplifier; *T-MTT Oct 87* 923-925
- Shigaki, M., S. Yokogawa, T. Takano, and K. Yamada. One-chip GaAs monolithic frequency converter operable to 4 GHz; *T-MTT Apr 88* 653-658
- Shigaki, M., T. Saito, H. Kusaka, and H. Kurihara. High-speed GaAs dynamic frequency divider using a double-loop structure and differential amplifiers (Short p.); *T-MTT Apr 88* 772-774
- Shigesawa, H., see Tsuji, M., *T-MTT Jun 81* 547-552
- Shigesawa, H., see Tsuji, M., *T-MTT Nov 82* 1952-1958
- Shigesawa, H., see Tsuji, M., *T-MTT Apr 83* 337-342
- Shigesawa, H., see Tsuji, M., *T-MTT May 83* 392-396
- Shigesawa, H., M. Tsuji, and K. Takiyama. Mode propagation through a step discontinuity in dielectric planar waveguide; *MWSYM* 84 121-123
- Shigesawa, H., see Tsuji, M., *T-MTT Jun 84* 628-633
- Shigesawa, H., M. Tsuji, and K. Takiyama. Two-path cutoff waveguide dielectric resonator filters; *MWSYM* 85 357-360
- Shigesawa, H., M. Tsuji, and K. Takiyama. Microwave network representation of discontinuity in open dielectric waveguides and its applications to periodic structures; *MWSYM* 85 623-626
- Shigesawa, H., see Tsuji, M., *MWSYM* 86 69-72
- Shigesawa, H., M. Tsuji, and A. A. Oliner. Effects of air gap and finite metal plate width on NR guide; *MWSYM* 86 119-122

- Shigesawa, H., M. Tsuji, and K. Takiyama. Two path cutoff waveguide resonator filters with attenuation poles; *MWSYM 86* 407-410
- Shigesawa, H., and M. Tsuji. Mode propagation through a step discontinuity in dielectric planar waveguide; *T-MTT Feb 86* 205-212
- Shigesawa, H., and M. Tsuji. A completely theoretical design method of dielectric image guide gratings in the Bragg reflection region; *T-MTT Apr 86* 420-426
- Shigesawa, H., see Lampariello, P., *MWSYM 87 Vol. 2* 731-734
- Shigesawa, H., see Tsuji, M., *MWSYM 87 Vol. 2* 785-788
- Shigesawa, H., M. Tsuji, and A. A. Oliner. Conductor-backed slot line and coplanar waveguide: Dangers and full-wave analyses; *MWSYM 88 Vol. 1* 199-202
- Shigesawa, H., see Tsuji, M., *MWSYM 88 Vol. 2* 635-638
- Shih, C., R.-B. Wu, S.-K. Jeng, and C. H. Chen. A full-wave analysis of microstrip lines by variational conformal mapping technique; *T-MTT Mar 88* 576-581
- Shih, H. D., see Kim, B., *CORNEL 85* 181-188
- Shih, H. D., see Macksey, H. M., *MCS 85* 27-30
- Shih, H. D., see Kim, B., *MCS 85* 35-37
- Shih, H. D., see Bayraktaroglu, B., *MCS 85* 82-85
- Shih, H. D., see Bayraktaroglu, B., *MWSYM 85* 124-127
- Shih, H. D., see Bayraktaroglu, B., *MWSYM 87 Vol. 2* 969-972
- Shih, H. D., see Camilleri, N., *MCS 88* 129-132
- Shih, H. D., see Camilleri, N., *MWSYM 88 Vol. 1* 179-182
- Shih, I., see Ding, L., *T-MTT Feb 84* 151-157
- Shih, Y.-C., T. Itoh, and L. Q. Bui. Computer-aided design of millimeter-wave *E*-plane filters; *T-MTT Feb 83* 135-142
- Shih, Y.-C., see Fukuoka, Y., *T-MTT Jul 83* 567-573
- Shih, Y.-C., and T. Itoh. *E*-plane filters with finite-thickness septa; *T-MTT Dec 83* 1009-1013
- Shih, Y.-C. Scattering parameters of axial inductive strips in rectangular waveguide; *MWSYM 84* 126-127
- Shih, Y.-C., and K. G. Gray. Analysis and design of evanescent-mode waveguide dielectric resonator filters; *MWSYM 84* 238-239
- Shih, Y.-C. Design of waveguide *E*-plane filters with all-metal inserts; *T-MTT Jul 84* 695-704
- Shih, Y.-C., T. S. Chu, and T. Itoh. Comparative study of mode matching formulations for microstrip discontinuity problems; *MWSYM 85* 435-438
- Shih, Y.-C., L. Q. Bui, and T. Itoh. Millimeter-wave diplexers with printed circuit elements; *MWSYM 85* 567-569
- Shih, Y.-C., see Chu, T. S., *T-MTT Oct 85* 1018-1023
- Shih, Y.-C., L. Q. Bui, and T. Itoh. Millimeter-wave diplexers with printed circuit elements; *T-MTT Dec 85* 1465-1469
- Shih, Y.-C., see Yau, W., *MWSYM 86* 147-149
- Shih, Y.-C., see Ton, T. N., *MWSYM 87 Vol. 1* 387-389
- Shih, Y.-C., T. N. Ton, and L. Q. Bui. Waveguide-to-microstrip transitions for millimeter-wave applications; *MWSYM 88 Vol. 1* 473-475
- Shih, Y.-C., see Ho, T. Q., *T-MTT Mar 88* 561-567
- Shillady, R. W. High dynamic range video detector; *MWSYM 86* 301-304
- Shima, K., K. Hamamitsu, and M. Takusagawa. Buried convex waveguide structure (GaAl)As injection lasers; *T-MTT Oct 82* 1676-1683
- Shima, T., see Takano, T., *MWSYM 84* 381-383
- Shimabukuro, F. I., and S. Lazar. Measurement of the complex dielectric constant of low-loss casting resins at millimeter wavelengths; *MWSYM 84* 520-521
- Shimabukuro, F. I., S. Lazar, M. R. Chernick, and H. B. Dyson. A quasi-optical method for measuring the complex permittivity of materials; *T-MTT Jul 84* 659-665. *Correction*, Nov 84 1504
- Shimabukuro, F. I., and C. Yeh. Attenuation measurement of very low loss dielectric waveguides by the cavity resonator method applicable in the millimeter/submillimeter wavelength range; *T-MTT Jul 88* 1160-1166
- Shimada, S., and T. Matsumoto. Fiber-optic transmission systems in Japan; *MWSYM 88 Vol. 2* 827-830
- Shimazu, Y., see Takada, T., *MCS 85* 22-26
- Shimazu, Y., see Takada, T., *T-MTT Dec 85* 1579-1584
- Shimin, D. A new method for measuring dielectric constant using the resonant frequency of a patch antenna; *T-MTT Sep 86* 923-931
- Shimizu, N., see Mori, H., *T-MTT Apr 82* 622-627
- Shimizu, Y., see Hashimoto, O., *T-MTT Nov 86* 1202-1207
- Shimoda, Y., H. Tomimuro, and K. Onuki. A proposal of a new dielectric resonator construction for MIC's; *T-MTT Jul 83* 527-532
- Shin, J., see Chung, N. S., *MWSYM 84* 565-566
- Shin, J., see Chung, N. S., *T-MTT Dec 84* 1683-1686
- Shinham, T., see Miyoshi, T., *T-MTT Feb 86* 294-297
- Shinonaga, H., and S. Kurazono. *Y* dielectric waveguide for millimeter- and submillimeter-wave; *T-MTT Jun 81* 542-546
- Shinozaki, S., see Watanabe, S., *MCS 84* 24-28
- Shirahata, K., W. Susaki, and H. Namizaki. Recent developments in fiber optic devices; *T-MTT Feb 82* 121-131
- Shirotori, K., see Nakata, T.-a., *MCS 85* 58-62
- Shirotori, K., see Nakata, T.-a., *MWSYM 85* 55-59
- Sholley, M., J. J. Berenz, A. Nichols, K. Nakano, R. Sawires, and J. Abell. 36.0 - 40.0 GHz HEMT low noise amplifier; *MWSYM 85* 555-558
- Sholley, M., and A. Nichols. 60 and 70 GHz (HEMT) amplifiers; *MWSYM 86* 463-465
- Shor, A. Broadbanding techniques for TEM *N*-way power dividers; *MWSYM 88 Vol. 2* 657-659
- Shu, E., see Koshiji, K., *T-MTT Oct 84* 1387-1390
- Shu, Y.-h., see Wang, Y.-y., *MWSYM 85* 223-226
- Shu, Y.-h., see Wang, Y.-y., *T-MTT Dec 85* 1340-1345
- Shu, Y.-h., X.-X. Qi, and Y.-y. Wang. Analysis equations for shielded suspended substrate microstrip line and broadside-coupled stripline; *MWSYM 87 Vol. 2* 693-696
- Shu, Y.-h., see Wang, Y., *MWSYM 88 Vol. 1* 331-334
- Shukla, R., see Green, C. R., *MWSYM 87 Vol. 2* 933-936
- Shur, M. S., see Hyun, C. H., *CORNEL 85* 220-229
- Shurtz, R. R., II, see Soohoo, J., *T-MTT Nov 81* 1170-1177
- Sich, E. M., and R. H. MacPhie. The conservation of complex power technique and *E*-plane step-diaphragm junction discontinuities (Short p.); *T-MTT Feb 82* 198-201
- Sidi, J., see Nussbaum, G. H., *T-MTT May 86* 620-625
- Siegel, P. H., D. W. Peterson, and A. R. Kerr. Design and analysis of the channel waveguide transformer; *T-MTT Jun 83* 473-484
- Siegel, P. H., A. R. Kerr, and R. J. Mattauch. A comparison of the measured and theoretical performance of a 140 - 220 GHz Schottky diode mixer; *MWSYM 84* 549-551
- Siegel, P. H., and A. R. Kerr. The measured and computed performance of a 140 - 220 GHz Schottky diode mixer; *T-MTT Dec 84* 1579-1590
- Siegel, P. H. A planar log-periodic mixtenna for millimeter and submillimeter wavelengths; *MWSYM 86* 649-652
- Siegel, S., see Herzfeld, P. R., *MWSYM 87 Vol. 2* 603-606
- Siegl, J., see Hoffmann, R. K., *T-MTT Aug 82* 1205-1210
- Siegl, J., see Hoffmann, R. K., *T-MTT Aug 82* 1211-1216
- Sigel, G. H., Jr., see Giallorenzi, T. G., *T-MTT Apr 82* 472-511
- Sigel, G. H., Jr., see Koo, K. P., *T-MTT Apr 82* 516-521
- Simgon, B. E., and T. W. Van Alstyne. Development of a pulsed IMPATT diode amplifier; *MWSYM 86* 105-108
- Simgon, B. E., and M. Ayyagari. A multi-diode cavity power combiner using state-of-the-art pulsed Gunn diodes; *MWSYM 87 Vol. 2* 871-874
- Sihvola, A. H., see Lindell, I. V., *T-MTT Jul 83* 520-526
- Silberberg, Y., see Perlmutter, P., *MWSYM 87 Vol. 2* 641-643
- Silbermann, A., see Sorrentino, R., *T-MTT Apr 84* 410-416
- Silbermann, A., see Lajugie, M., *MWSYM 86* 339-342
- Sillars, D. B., see Davis, L. E., *MWSYM 85* 237-238
- Sillars, D. B., see Davis, L. E., *T-MTT Jul 86* 804-808.
- Sillars, D. B., and L. E. Davis. Analysis of nonreciprocal coupled image lines; *T-MTT Jul 87* 629-635.
- Comments by Schiebllich, C., *Apr 88* 795
- Silvester, P. P., see Crowley, C. W., *T-MTT Oct 88* 1459
- Simao de Carvalho Fernandes, A., see Fernandes, A. S. d. C.
- Simon, J. C., see Favre, F., *T-MTT Oct 82* 1700-1705
- Simon, K. M., see Schindler, M. J., *MWSYM 88 Vol. 2* 1001-1005
- Simon, K. M., see Schindler, M. J., *T-MTT Dec 88* 1604-1613
- Simon, P. S., see Richards, W. F., *T-MTT Mar 87* 276-281
- Simonis, G. J. A quasi-optical nulling method for material birefringence measurements at near-millimeter wavelengths (Short p.); *T-MTT Apr 83* 356-358
- Simonis, G. J. Millimeter-wave material properties and measurements; *MWSYM 87 Vol. 2* 747-748
- Simons, R. N. Suspended coupled slotline using double layer dielectric (Short p.); *T-MTT Feb 81* 162-165
- Simons, R. N. Suspended slot line using double layer dielectric (Short p.); *T-MTT Oct 81* 1102-1107
- Simons, R. N. Suspended broadside-coupled slot line with overlay; *T-MTT Jan 82* 76-81
- Simons, R. N., and R. K. Arora. Coupled slot line field components; *T-MTT Jul 82* 1094-1099
- Simons, R. N. Broadside-coupled slot-line field components (Short p.); *T-MTT Jan 84* 116-120
- Simons, R. N., and K. B. Bhasin. Analysis of optically controlled microwave/millimeter wave device structures; *MWSYM 86* 551-554
- Simons, R. N., see Bilik, V., *T-MTT Feb 86* 297-298
- Simons, R. N., and K. B. Bhasin. Analysis of optically controlled microwave/millimeter-wave device structures; *T-MTT Dec 86* 1349-1355
- Simons, R. N., and K. B. Bhasin. Microwave performance of an optically controlled AlGaAs/GaAs high electron mobility transistor and GaAs MESFET; *MWSYM 87 Vol. 2* 815-818
- Simons, R. N. Microwave performance of an optically controlled AlGaAs/GaAs high electron mobility transistor and GaAs MESFET; *T-MTT Dec 87* 1444-1455
- Simons, R. N., and G. E. Ponchak. Modeling of some coplanar waveguide discontinuities; *MWSYM 88 Vol. 1* 297-300
- Simons, R. N., and G. E. Ponchak. Modeling of some coplanar waveguide discontinuities; *T-MTT Dec 88* 1796-1803
- Simonutti, M. D., see Hsu, T.-I., *MWSYM 84* 175-177
- Sinclair, W. R., see Reinhart, F. K., *T-MTT Apr 82* 609-612
- Singer, J. F., see Hung, H.-L. A., *MCS 88* 87-90
- Singer, J. L., see Hung, H.-L. A., *T-MTT Dec 88* 1966-1975
- Singh, A., H. L. Hartnagel, and D. C. Tiwari. Proposal for an electrically tunable surface plasmon light emitter (Ltr.); *T-MTT Oct 81* 1117-1119
- Singh, D. R., see Champlin, K. S., *T-MTT Mar 85* 351-353.
- Singh, D. R. W-band microstrip oscillator using InP Gunn diode; *MWSYM 87 Vol. 2* 981-982
- Singh, G. S., see Vishen, A., *T-MTT Feb 86* 292-294.
- Singh, H. P., see Geissberger, A. E., *MWSYM 87 Vol. 2* 665-668
- Singh, H. P., see Geissberger, A. E., *MWSYM 88 Vol. 2* 569-572
- Singh, H. P., see Geissberger, A. E., *T-MTT Dec 88* 1706-1713
- Singh, J., see Jaffe, M., *CORNEL 87* Paper 11
- Singh, R. P., see Tiwari, A. K., *T-MTT Aug 86* 869-875
- Singh, V. N., see Basu, B. N., *T-MTT Apr 84* 461-463
- Singh, V. P., B. N. Basu, and R. K. Jha. An estimate of the interaction impedance of a vane-loaded helix using equivalent-circuit analysis (Ltr.); *T-MTT Jan 86* 182-183
- Sinha, S. N. Analysis of multiple-strip discontinuity in a rectangular waveguide; *T-MTT Jun 86* 696-700
- Sinyavsky, G. P., see Lyapin, V. P., *T-MTT Jul 82* 1107-1109
- Sipilä, M. T. A. Comments, with reply, on 'Double-plane steps in rectangular waveguides and their application for transformers, irises, and filters' by H. Patzelt and F. Arndt (Original paper, May 82 771-776); *T-MTT Nov 85* 1263-1266
- Sipilä, M. T. A., K. Lehtinen, and V. Porra. High-frequency periodic time-domain waveform measurement system; *T-MTT Oct 88* 1397-1405
- Siracusa, M., see Esfandiari, R., *T-MTT Jan 83* 57-64
- Siracusa, M., see Chang, C.-D., *MCS 85* 46-49
- Siracusa, M., see Wang, S. K., *T-MTT Dec 85* 1597-1602
- Siu, D., see Tang, W. C., *MWSYM 85* 343-345
- Siu, D. Realization of an exact 5-pole elliptic function filter employing dielectric loaded triple-dual-mode cavity structure; *MWSYM 86* 357-359

- Siweris, H. J., B. Schiek, and K. M. Ludeke. Comments, with reply, on 'Some pitfalls in millimeter-wave noise measurements utilizing a cross-correlation receiver' by A. D. Sutherland and A. Van der Ziel (Original paper, May 82 715-718); *T-MTT Apr 83* 364
- Siweris, H. J., and B. Schiek. Analysis of noise upconversion in microwave FET oscillators; *T-MTT Mar 85* 233-242
- Skantzaris, A., see Wong, C., *MWSYM 87 Vol. 2* 543-545
- Skov-Madsen, P., see Albertsen, N. C., *T-MTT Aug 83* 654-660
- Slaney, M., A. C. Kak, and L. E. Larsen. Limitations of imaging with first-order diffraction tomography; *T-MTT Aug 84* 860-874
- Slayman, C. W., see Figueroa, L., *T-MTT Oct 82* 1706-1715
- Sloat, D., see Chu, A., *MCS 87* 63-67
- Slobodnik, A. J., Jr., see Budreau, A. J., *T-MTT May 82* 686-693
- Slobodnik, A. J., Jr., see Scalzi, G. J., *T-MTT Jun 88* 1097-1100
- Smilowitz, B., see Adler, Z., *MWSYM 84* 375-377
- Smilowitz, B., see Mehdizadeh, M., *MWSYM 85* 531-534
- Smirnova, T. A., see Cherpak, N. T., *T-MTT Mar 83* 306-309
- Smith, C. E., and R.-S. Chang. Microstrip transmission line with finite-width dielectric and ground plane (Short p.); *T-MTT Sep 85* 835-839
- Smith, C. S., see Iskander, M. F., *T-MTT May 84* 554-556
- Smith, D., see Tong, R., *MWSYM 84* 297-298
- Smith, F. W., A. R. Calawa, C.-L. Chen, L. J. Mahoney, M. J. Manfra, and J. Huang. New MBE buffer for micron and quarter-micron gate GaAs MESFETs; *CORNEL 87* Paper 28
- Smith, G. S. Analysis of miniature electric field probes with resistive transmission lines; *T-MTT Nov 81* 1209-1220
- Smith, G. S. Limitations on the size of miniature electric-field probes; *T-MTT Jun 84* 594-600
- Smith, L. N., see Ghoshal, U. S., *MWSYM 88 Vol. 2* 773-776
- Smith, L. N., see Ghoshal, U. S., *T-MTT Dec 88* 1788-1795
- Smith, M. A., see Pavio, A. M., *MWSYM 85* 266-269
- Smith, M. A., and A. M. Pavio. An 18 - 40 GHz double balanced microstrip mixer; *MWSYM 85* 379-380
- Smith, M. A., see Pavio, A. M., *T-MTT Dec 85* 1346-1349
- Smith, M. A., T. S. Howard, K. J. Anderson, and A. M. Pavio. RF nonlinear device characterization yields improved modeling accuracy; *MWSYM 86* 381-384
- Smith, M. A., A. M. Pavio, and B. Kim. A Ka-band dual-channel tracking receiver converter; *MWSYM 86* 643-644
- Smith, M. A. GaAs monolithic true logarithmic amplifier for 0.5 to 4 GHz applications; *MCS 88* 37-40
- Smith, M. A. GaAs monolithic implementation of active circulators; *MWSYM 88 Vol. 2* 1015-1016
- Smith, M. A. A 0.5 to 4 GHz true logarithmic amplifier utilizing monolithic GaAs MESFET technology; *T-MTT Dec 88* 1986-1990
- Smith, P. M., see Chao, P. C., *CORNEL 85* 163-171
- Smith, P. M., P. C. Chao, U. K. Mishra, S. C. Palmateer, K. H. G. Duh, and J. C. M. Hwang. Millimeter wave power performance of 0.25 μ m HEMTs and GaAs FETs; *CORNEL 85* 189-198
- Smith, P. M., see Liu, S.-M., *CORNEL 85* 209-219
- Smith, P. M., see Nightingale, S. J., *MCS 85* 74-77
- Smith, P. M., see Nightingale, S. J., *MWSYM 85* 116-119
- Smith, P. M., see Nightingale, S. J., *T-MTT Dec 85* 1603-1610
- Smith, P. M., P. C. Chao, K. H. G. Duh, L. F. Lester, B. R. Lee, and J. M. Ballingall. Advances in HEMT technology and applications; *MWSYM 87 Vol. 2* 749-752
- Smith, P. M., see Upton, M. A. G., *MWSYM 87 Vol. 2* 1007-1010
- Smith, P. M., see Duh, K. H. G., *MWSYM 88 Vol. 2* 923-926
- Smith, P. M., P. C. Chao, L. F. Lester, R. P. Smith, B. R. Lee, D. W. Ferguson, A. A. Jabra, J. M. Ballingall, and K. H. G. Duh. InGaAs pseudomorphic HEMTs for millimeter wave power applications; *MWSYM 88 Vol. 2* 927-930
- Smith, P. M., see Duh, K. H. G., *T-MTT Dec 88* 1598-1603
- Smith, R. P., see Smith, P. M., *MWSYM 88 Vol. 2* 927-930
- Smith, T., see Hung, H.-L. A., *MCS 87* 97-100
- Smith, T., see Hung, H.-L. A., *MWSYM 87 Vol. 1* 89-92
- Smith, T., see Polak-Dingels, P., *MWSYM 88 Vol. 1* 237-240
- Smith, T., see Hegazi, G. M., *MWSYM 88 Vol. 1* 409-412
- Smith, V. H., see Best, W. S., *MWSYM 84* 356-358
- Snapp, C. P., see Leung, C. C., *MWSYM 85* 383-386
- Snow, K. H., J. J. Komiak, and D. A. Bates. Wideband variable gain amplifiers in GaAs MMIC; *MCS 88* 133-137
- Snow, K. H., J. J. Komiak, and D. A. Bates. Wideband variable gain amplifiers in GaAs MMIC; *MWSYM 88 Vol. 1* 183-187
- Snow, K. H., J. J. Komiak, and D. A. Bates. Segmented dual-gate MESFET's for variable gain and power amplifiers in GaAs MMIC; *T-MTT Dec 88* 1976-1985
- Snowden, C. M., see Xuan, Y., *MWSYM 87 Vol. 2* 661-664
- Snowden, C. M., see Xuan, Y., *T-MTT Dec 87* 1340-1347
- Snyder, A. W., see Love, J. D., *T-MTT Oct 83* 853
- Snyder, R. V. Stepped-ferrite tunable evanescent filters; *T-MTT Apr 81* 364-371
- Snyder, R. V. Lossy, hybrid coupled amplitude equalizers for narrow band filters; *MWSYM 84* 205-210
- Snyder, R. V. Comments, with reply, on 'New narrow-band dual-mode bandstop waveguide filters' by J.-R. Qian and W.-C. Zhuang (Original paper, Dec 83 1045-1050); *T-MTT Apr 85* 344-345
- So, P., W. J. R. Hofer, and P. Saguet. CAD of E-plane circuits with field-theory based lookup tables and discontinuity models; *MWSYM 88 Vol. 1* 335-338
- Sobhy, M. I., see Bedair, S. S., *T-MTT Oct 81* 1107-1109
- Sobhy, M. I., and E. A. Hosny. The design of directional couplers using exponential lines in inhomogeneous media; *T-MTT Jan 82* 71-76
- Sobhy, M. I., see Bedair, S. S., *T-MTT May 84* 544-547
- Sobhy, M. I., and F. Bassirato. Non-linear modelling and design of microwave mixers; *MWSYM 88 Vol. 2* 1111-1114
- Sobol, H. 1980 MTT-S awards; *T-MTT Dec 81* 1259-1260
- Sobol, H. 1982 MTT-S awards; *T-MTT Dec 82* 2094-2099
- Sobol, H. Microwave communications—An historical perspective; *T-MTT Sep 84* 1170-1181
- Sobol, H. Overview of the application of microwave techniques for lightwave systems; *MWSYM 86* 607-610
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- Solbach, K. Equivalent circuit representation for the E-plane circulator; *T-MTT May 82* 806-809
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- Staecker, P. W., M. E. Hines, F. Occhiuti, and J. F. Cushman. Multi-watt power generation at millimeter-wave frequencies using epitaxially-stacked varactor diodes; *MWSYM 87 Vol. 2* 917-920
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- Stracca, G. B., G. Macchiarella, and M. Politi. Numerical analysis of various configurations of slab lines (Short p.); *T-MTT Mar 86* 359-363. Comments, with reply, by Van der Walt, P. W., Nov 87 1075-1076
- Stracca, G. B., and A. Panzeri. Unloaded Q-factor of stepped-impedance resonators; *T-MTT Nov 86* 1214-1219
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- Su, C.-C. Cutoff frequency of a homogeneous optical fiber with arbitrary cross section; *T-MTT Nov 85* 1101-1105
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- Surawatpunya, C., M. Tsutsumi, and N. Kumagai. Bragg reflection characteristics of millimeter waves in a corrugated H-guide (Short p.); *T-MTT Jul 83* 584-588
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- Sussman-Fort, S. E., S. Narasimhan, and K. Mayaram. A complete GaAs MESFET computer model for SPICE (Short p.); *T-MTT Apr 84* 471-473
- Sussman-Fort, S. E., J. C. Hantgan, and F. L. Huang. A SPICE model for enhancement- and depletion-mode GaAs FETs; *T-MTT Nov 86* 1115-1119
- Sussman-Fort, S. E., and J. C. Hantgan. SPICE implementation of lossy transmission line and Schottky diode models (Short p.); *T-MTT Jan 88* 153-155
- Sutherland, A. D., and A. Van der Ziel. Some pitfalls in millimeter-wave noise measurements utilizing a cross-correlation receiver; *T-MTT May 82* 715-718.
- Comments. with reply, by Siweris, H. J., et al., *Apr 83* 364
- Sutherland, A. D., and M. Tripple. S-parameter equivalents of current and voltage noise sources in microwave devices (Short p.); *T-MTT May 82* 828-830
- Sutherland, A. D. On the inherent noise of an ideal two-port isolator (Short p.); *T-MTT May 82* 830-832
- Sutton, E. C. A superconducting tunnel junction receiver for 230 GHz (Short p.); *T-MTT Jul 83* 589-592
- Suzuki, M., and T. Hosono. Optimum sectional shape of dominant mode waveguide; *T-MTT Oct 83* 836-841
- Suzuki, M., see Koshiba, M., *T-MTT Jun 84* 587-593
- Suzuki, M., see Koshiba, M., *T-MTT Mar 85* 227-233
- Suzuki, M., see Koshiba, M., *T-MTT Oct 85* 900-905
- Suzuki, M., see Koshiba, M., *T-MTT Jan 86* 103-109
- Suzuki, M., see Koshiba, M., *T-MTT Feb 86* 301-307
- Suzuki, M., see Hayata, K., *T-MTT Nov 86* 1120-1124
- Suzuki, M., see Long, Y., *T-MTT Aug 87* 731-736
- Suzuki, N., see Minowa, J.-i., *T-MTT Apr 82* 551-563
- Suzuki, Y., see Yamashita, E., *MWSYM 87 Vol. 2* 685-688
- Suzuki, Y., see Yamashita, E., *T-MTT Dec 87* 1355-1362
- Svilans, M. Low power high gain heterojunction bipolar transistors on InP; *CORNEL 87* Paper 36
- Swicord, M. L., and C. C. Davis. Energy absorption from small radiating coaxial probes in lossy media; *T-MTT Nov 81* 1198-1205
- Swift, G. W., and D. I. Stones. A comprehensive design technique for the radial wave power combiner; *MWSYM 88 Vol. 1* 279-281
- Symons, R. S., H. R. Jory, S. J. Heggi, and P. E. Ferguson. An experimental gyro-TWT; *T-MTT Mar 81* 181-184
- Symons, R. S., see Ferguson, P. E., *T-MTT Aug 81* 794-799
- Szedon, J. R., see Driscoll, M. M., *MWSYM 85* 239-242
- Szedon, J. R., see Driscoll, M. M., *MWSYM 87 Vol. 2* 801-804
- Szendrenyi, B. B., K. Kazi, and I. Mojzes. An alternative broadband method for automatic measurement of the complex permeability and permittivity of materials at microwave frequencies; *MWSYM 88 Vol. 2* 743-746
- T
- Tabuchi, T., see Hikita, M., *T-MTT Jun 85* 510-518
- Tabuchi, T., see Hikita, M., *MWSYM 87 Vol. 2* 797-800
- Tabuchi, T., see Hikita, M., *T-MTT Jun 88* 1047-1056
- Taflove, A., and K. R. Umashankar. Comment on 'Fast-Fourier-transform method for calculation of SAR distributions in finely discretized inhomogeneous models of biological bodies' by D. T. Borup and O. P. Gandhi (Original paper, Apr 84 355-360); *T-MTT Apr 85* 345-346
- Tahim, R. S., see Chang, K., *T-MTT Feb 83* 146-154
- Tahim, R. S., G. M. Hayashibara, and K. Chang. Design and performance of W-band broad-band integrated circuit mixers; *T-MTT Mar 83* 271-283
- Tahim, R. S., see Grote, A., *MWSYM 85* 159-162
- Tahim, R. S., see Chang, K., *MWSYM 85* 371-374
- Tahim, R. S., see Chang, K., *T-MTT Dec 85* 1375-1382
- Tai, G.-C., C. H. Chen, and Y.-W. Kiang. Plasma-dielectric sandwich structure used as a tunable bandpass microwave filter (Short p.); *T-MTT Jan 84* 111-113
- Tai, S., see Kyuma, K., *T-MTT Apr 82* 522-525
- Tai, S., see Kyuma, K., *T-MTT Oct 82* 1607-1611
- Tajima, J., Y. Yamao, T. Sugeta, and M. Hirayama. GaAs monolithic low-power amplifiers with RC parallel feedback (Short p.); *T-MTT May 84* 542-544
- Tajima, Y., see Vorhaus, J. L., *T-MTT Jul 82* 982-992
- Tajima, Y., and P. D. Miller. Design of broad-band power GaAs FET amplifiers; *T-MTT Mar 84* 261-267
- Takada, T., K. Yokoyama, M. Ida, and T. Sudo. A MESFET variable-capacitance model for GaAs integrated circuit simulation; *T-MTT May 82* 719-724
- Takada, T., see Idda, M., *T-MTT Jan 84* 5-10
- Takada, T., Y. Shimazu, K. Yamasaki, M. Togashi, K. Hoshikawa, and M. Idda. A 2 Gb/s throughput GaAs digital time switch LSI using LSCFL; *MCS 85* 22-26
- Takada, T., Y. Shimazu, K. Yamasaki, M. Togashi, K. Hoshikawa, and M. Idda. A 2 Gb/s throughput GaAs digital time switch LSI using LSCFL; *T-MTT Dec 85* 1579-1584
- Takada, T., see Osafune, K., *T-MTT Oct 87* 917-918
- Takada, T., see Ohhata, M., *T-MTT Jan 88* 158-160
- Takagi, T., K. Seino, Y. Ikeda, O. Ishihara, and F. Takeda. A 1.5 watt 28 GHz band FET amplifier; *MWSYM 84* 227-228
- Takagi, T., see Kobiki, M., *MCS 85* 31-34
- Takagi, T., K. Seino, A. Iida, M. Kobiki, Y. Mitsui, and F. Takeda. A 1 watt 28 GHz band amplifier using clustered FETs; *MWSYM 85* 324-327
- Takahashi, M., see Hongo, K., *T-MTT Aug 82* 1279-1282
- Takahashi, M., and K. Hongo. Capacitance of coupled circular microstrip disks; *T-MTT Nov 82* 1881-1888
- Takahashi, M., H. Itoh, K. Ueda, and R. Yamamoto. A 9.5 GHz commercially available 1/4 GaAs dynamic prescaler with suppressed noise performance; *MCS 88* 31-35
- Takahashi, M., H. Itoh, K. Ueda, and R. Yamamoto. A 9.5 GHz commercially available 1/4 GaAs dynamic prescaler; *T-MTT Dec 88* 1913-1919
- Takahashi, Y., Y. Nikawa, T. Katsumata, S. Mori, M. Nakagawa, and M. Kikuchi. Direct contact applicator with convergent effect of EM field for microwave hyperthermia; *MWSYM 85* 86-89
- Takahashi, Y., see Nikawa, Y., *MWSYM 85* 196-199
- Takahai, K., see Ishikawa, H., *T-MTT Oct 82* 1692-1699
- Takakuwa, H., K. Tanaka, K. Togashi, H. Ohke, M. Kanazawa, and Y. Kato. Low noise microwave HIFET using MOCVD; *MCS 86* 99-102
- Takakuwa, H., see Tanaka, K., *T-MTT Dec 86* 1522-1527
- Takamatsu, H., see Hirai, K., *MWSYM 86* 447-450
- Takamiya, S., see Kadowaki, Y., *MWSYM 87 Vol. 2* 845-847
- Takamiya, S., see Hayashi, K., *MWSYM 87 Vol. 2* 1023-1026
- Takano, T., Y. Tozawa, T. Shima, T. Katoh, H. Komizo, and H. Yatsuka. Novel GaAs FET phase detector operable to Ka band; *MWSYM 84* 381-383
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- Takayama, Y., see Sone, J., *T-MTT Apr 81* 309-313
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- Takayama, Y., see Honjo, K., *T-MTT Jul 81* 629-635
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- Takiyama, K., see Tsuji, M., *T-MTT Nov 82* 1952-1958
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- Talbot, P., see Leblanc, R., *MWSYM 88 Vol. 1* 99-101
- Talisa, S. H., see Bolle, D. M., *T-MTT Sep 81* 916-923
- Talisa, S. H., and D. M. Bolle. Performance predictions for isolators and differential phase shifters for the near-millimeter wave range; *T-MTT Dec 81* 1338-1343
- Talisa, S. H. Application of Davidenko's method to the solution of dispersion relations in lossy waveguiding systems; *T-MTT Oct 85* 967-971
- Talisa, S. H., J. D. Adam, and T. W. O'Keefe. A novel MSW programmable Barker coder/decoder; *MWSYM 86* 579-581
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- Tamir, T. Microwave modeling of optical periodic waveguides (Short p.); *T-MTT Sep 81* 979-983
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- Tan, R. J., M. Berry, and R. V. Garver. High-power, short-pulse forming circuits; *MWSYM 87 Vol. 1* 399-402
- Tan, R. J., A. L. Ward, R. V. Garver, and H. Brisker. PIN diode limiter spike leakage, recovery time, and damage; *MWSYM 88 Vol. 1* 275-278
- Tan, T. S., see Kotzebue, K., *MWSYM 87 Vol. 1* 453-456
- Tan, T. S., R. L. Jungerman, and S. S. Elliott. Calibration of optical receivers and modulators using an optical heterodyne technique; *MWSYM 88 Vol. 2* 1067-1070
- Tan, T. S., K. Kotzebue, D. M. Braun, J. Centanni, and D. McQuate. A low-distortion K-band GaAs power FET; *T-MTT Jun 88* 1023-1032
- Tan, Z. C. H., see Bandy, S., *T-MTT Dec 87* 1494-1500
- Tanabe, E., A. H. McEuen, S. Caslow, C. S. Norris, T. V. Samulski, and P. Fessenden. Microstrip spiral antenna for local hyperthermia; *MWSYM 84* 133-134
- Tanahashi, T., see Ishikawa, H., *T-MTT Oct 82* 1692-1699
- Tanaka, H., see Nishikawa, T., *MWSYM 87 Vol. 1* 277-280
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- Tanaka, K., M. Ogawa, K. Togashi, H. Takakuwa, H. Ohke, M. Kanazawa, Y. Kato, and S. Watanabe. Low-noise HEMT using MOCVD; *T-MTT Dec 86* 1522-1527
- Tanaka, K., and M. Kojima. Volume integral equations for analysis of dielectric branching waveguides; *T-MTT Aug 88* 1239-1245
- Tanaka, S., see Nogi, S., *T-MTT Mar 86* 333-341
- Tanaka, T., see Hara, S., *MCS 88* 117-120
- Tanaka, T., see Hara, S., *MWSYM 88 Vol. 1* 107-110
- Tanaka, T., K. Tsunoda, and M. Aikawa. New slot-coupled directional couplers between double-sided substrate microstrip lines, and their applications; *MWSYM 88 Vol. 2* 579-582
- Tanaka, T., K. Tsunoda, and M. Aikawa. Slot-coupled directional couplers between double-sided substrate microstrip lines and their applications; *T-MTT Dec 88* 1752-1757
- Tanaka, T., see Hara, S., *T-MTT Dec 88* 1920-1924
- Tang, O. S. A., and C. S. Aitchison. A practical microwave travelling-wave MESFET gate mixer; *MWSYM 85* 605-608
- Tang, O. S. A., and C. S. Aitchison. A very wide-band microwave MESFET mixer using the distributed mixing principle; *T-MTT Dec 85* 1470-1478
- Tang, T.-W., see Hwang, C.-G., *CORNEL 85* 72-81
- Tang, W.-C., and S. K. Chaudhuri. A true elliptic-function filter using triple-mode degenerate cavities; *T-MTT Nov 84* 1449-1454
- Tang, W. C., J. Sferazza, B. Beggs, and D. Siu. Dielectric resonator output multiplexer for C-band satellite applications; *MWSYM 85* 343-345
- Tang, W. C., see Pley, M., *MWSYM 85* 346-348
- Tang, W. C. An 8-pole quasi-elliptic function filter realized in 3 dielectric resonator cavities; *MWSYM 86* 349-351
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- Tanner, D., see Lampe, R., *MWSYM 84* 68-69
- Tanner, D., see Lampe, R., *T-MTT Aug 86* 898-899
- Tanski, W. J., R. A. St. Cyr, P. G. Dragonetti, and E. G. Kosco. A radar system application of an 840-MHz SAW resonator stabilized oscillator; *T-MTT May 81* 424-429
- Tarusawa, Y., see Hirota, T., *MCS 86* 103-105
- Tarusawa, Y., see Hirota, T., *T-MTT Jun 87* 576-581
- Tarusawa, Y., H. Ogawa, and T. Hirota. A new constant-resistance ASK modulator using double-sided MIC; *T-MTT Sep 87* 819-822
- Tasker, P. J., see Camnitz, L. H., *CORNEL 85* 199-208
- Tasker, P. J., see Chen, Y.-K., *CORNEL 87* Paper 8
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- Temmyo, J., and H. Yoshikiyo. Numerical evaluation of lumped inductance influences of superconducting circuit interconnections on ultrafast switching signal propagation characteristics; *T-MTT Jan 82* 27-34
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- Temple, S. J., see Galani, Z., *T-MTT Jul 81* 642-654
- Teodoridis, V., T. Sphicopoulos, and F. E. Gardiol. The reflection from an open-ended rectangular waveguide terminated by a layered dielectric medium; *T-MTT May 85* 359-366
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- Terakado, R., see Shibata, H., *T-MTT May 83* 385-391
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- Terzian, P. A., see Sun, H.-J., *MCS 87* 23-26
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- Thompson, S. D., and A. M. Pavio. A monolithic double balanced single sideband modulator; *MWSYM 87 Vol. 2* 899-902
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- Tiwari, A. K., B. Bhat, and R. P. Singh. Generalized coupled dielectric waveguide and its variants for millimeter wave applications; *T-MTT Aug 86* 869-875
- Tiwari, D. C., see Singh, A., *T-MTT Oct 81* 1117-1119
- Tiwari, S. Circuit performance of heterostructure FETs; *CORNEL 85* 230-239
- Tiwari, S. C. Comments, with reply, on 'Theory and measurement of back bias voltage in IMPATT diodes' by L. H. Holway, Jr., and S. L. G. Chu (Original paper, Nov 83 916-922); *T-MTT Jan 85* 72-74
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- Tomar, R. S., and P. Bhartia. Modelling the dispersion in a suspended microstripline; *MWSYM 87 Vol. 2* 713-715
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- Ton, T. N., Y. C. Shih, and L. Q. Bui. 18-30 GHz broadband bandpass harmonic reject filter; *MWSYM 87 Vol. 1* 387-389
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- Tong, P. P., D. B. Rutledge, D. P. Neikirk, P. E. Young, W. A. Peebles, and N. C. Luhmann, Jr. Polarization-sensitive imaging arrays; *MWSYM 84* 542-544
- Tong, P. P., D. P. Neikirk, P. E. Young, W. A. Peebles, N. C. Luhmann, Jr., and D. B. Rutledge. Imaging polarimeter arrays for near-millimeter waves; *T-MTT May 84* 507-512
- Tong, P. P., N. G. Fernandez, J. Gladstone, and E. G. Cristal. New millimeter wave noise sources with high reliability; *MWSYM 87 Vol. 1* 525-528
- Tong, R., and D. Smith. A 12-channel contiguous band multiplexer for satellite application; *MWSYM 84* 297-298
- Tong, R. S. K., see Mansour, R. R., *MWSYM 88 Vol. 2* 713-716
- Tong, R. S. K., see Mansour, R. R., *T-MTT Dec 88* 1825-1832
- Tonning, A. An alternative theory of optical waveguides with radial inhomogeneities; *T-MTT May 82* 781-789
- Tonning, A. Circularly symmetric optical waveguide with strong anisotropy; *T-MTT May 82* 790-794
- Tournais, P., see Gautier, H., *T-MTT May 81* 404-409
- Toutain, S., see Gelin, P., *T-MTT Jul 81* 712-719
- Toutain, S., see Parneix, J. P., *T-MTT Nov 82* 2015-2017
- Toutain, S., see Pribetich, P., *MWSYM 84* 135-139
- Toyoda, S. Variable bandpass filters using varactor diodes; *T-MTT Apr 81* 356-363
- Toyoda, S. Quarter-wavelength coupled variable bandstop and bandpass filters using varactor diodes (Short p.); *T-MTT Sep 82* 1387-1389
- Tozawa, N., see Yoneyama, T., *T-MTT Aug 83* 648-654
- Tozawa, N., see Yoneyama, T., *T-MTT Aug 84* 943-946
- Tozawa, Y., see Takano, T., *MWSYM 84* 381-383
- Trambarulo, R., M. V. Schneider, and M. J. Gans. High-speed QPSK modulator and demodulator with subharmonic pumping; *MWSYM 88 Vol. 2* 857-859
- Trambarulo, R., M. V. Schneider, and M. J. Gans. High-speed QPSK modulator and demodulator with subharmonic pumping; *T-MTT Dec 88* 1714-1719
- Tremblay, P., see Villeneuve, B., *MWSYM 84* 306-313
- Tremblay, P., see Villeneuve, B., *T-MTT Dec 84* 1565-1572
- Tremblay, B. S., see King, R. W. P., *T-MTT Jul 83* 574-583
- Tremblay, B. S., see Wong, T. Z., *T-MTT May 86* 560-567
- Tremblay, B. S., A. H. Wilson, M. J. Sullivan, A. D. Stein, T. Z. Wong, and J. W. Strohbehn. Control of the SAR pattern within an interstitial microwave array through variation of antenna driving phase; *T-MTT May 86* 568-571
- Tremblay, B. S., A. H. Wilson, J. M. Havarad, K. Sabatakakis, and J. W. Strohbehn. Comparison of power deposition by in-phase 433 MHz and phase-modulated 915 MHz interstitial antenna array hyperthermia systems; *T-MTT May 88* 908-916
- Trew, R. J., see Riddle, A. N., *T-MTT Feb 82* 192-196
- Trew, R. J., see Riddle, A. N., *MWSYM 84* 274-276
- Trew, R. J., see Riddle, A. N., *CORNEL 85* 302-311
- Trew, R. J., see Neece, R. T., *CORNEL 85* 341-350
- Trew, R. J., see Riddle, A. N., *MWSYM 85* 257-260
- Trew, R. J., see Riddle, A. N., *MWSYM 86* 79-82
- Trew, R. J. Equivalent circuits for high frequency transistors; *CORNEL 87* Paper 25
- Trew, R. J., see Khatibzadeh, M. A., *CORNEL 87* Paper 26
- Trew, R. J., see Mock, P. M., *CORNEL 87* Paper 46
- Trew, R. J., see Khatibzadeh, M. A., *MWSYM 87 Vol. 1* 107-110
- Trew, R. J., see Riddle, A. N., *MWSYM 87 Vol. 1* 509-512
- Trew, R. J., see Yan, J. B., *MWSYM 88 Vol. 1* 343-346
- Trew, R. J., see Stoneking, D. E., *MWSYM 88 Vol. 2* 1057-1060
- Trew, R. J., see Khatibzadeh, M. A., *T-MTT Feb 88* 231-238
- Trew, R. J., J. B. Yan, and D. E. Stoneking. GaAs power MESFET performance sensitivity to profile and process parameter variations (Short p.); *T-MTT Dec 88* 1873-1876
- Trinh, T. N., and R. Mittra. Coupling characteristics of planar dielectric waveguides of rectangular cross section; *T-MTT Sep 81* 875-880
- Trinh, T. N., R. Mittra, and R. J. Paleta, Jr. Horn image-guide leaky-wave antenna; *T-MTT Dec 81* 1310-1314
- Trinh, T. N., and R. Mittra. Field profile in a single-mode curved dielectric waveguide of rectangular cross section; *T-MTT Dec 81* 1315-1318
- Trinh, T. N., E. Benko, and W. S. Wong. Ka-band microstrip integrated circuit FMCW transceiver; *MWSYM 86* 639-642
- Trinh, T. N., W. S. Wong, D. Li, and J. R. Kessler. Ion implanted W-band monolithic balanced mixers for broadband applications; *MCS 87* 89-92
- Tripathi, V. K. The scattering parameters and directional coupler analysis of characteristically terminated three-line structures in an inhomogeneous medium; *T-MTT Jan 81* 22-26
- Tripathi, V. K., see Lee, H., *T-MTT Aug 82* 1188-1193
- Tripathi, V. K., see Lee, H., *MWSYM 84* 327-329
- Tripathi, V. K., see Wolff, I., *T-MTT Jan 84* 102-107
- Tripathi, V. K., and I. Wolff. Perturbation analysis and design equations for open- and closed-ring microstrip resonators; *T-MTT Apr 84* 405-410
- Tripathi, V. K., H. B. Lundén, and J. P. Starski. Analysis and design of branch-line hybrids with coupled lines; *T-MTT Apr 84* 427-432
- Tripathi, V. K. Comments, with reply, on 'The design parameters of nonsymmetrical coupled microstrips' by N. A. El-Deeb, et al. (Original paper, Jul 83 592-596); *T-MTT May 84* 561-563
- Tripathi, V. K., and R. J. Bucolo. A simple network analog approach for the quasi-static characteristics of general lossy, anisotropic, layered structures; *MWSYM 85* 511-514
- Tripathi, V. K., and J. B. Rettig. A SPICE model for multiple coupled microstrips and other transmission lines; *MWSYM 85* 703-706
- Tripathi, V. K., and R. J. Bucolo. A simple network analog approach for the quasi-static characteristics of general lossy, anisotropic, layered structures; *T-MTT Dec 85* 1458-1464
- Tripathi, V. K., and J. B. Rettig. A SPICE model for multiple coupled microstrips and other transmission lines; *T-MTT Dec 85* 1513-1518
- Tripathi, V. K. A dispersion model for coupled microstrips; *T-MTT Jan 86* 66-71
- Tripathi, V. K., see Jain, V. K., *T-MTT Jun 86* 667-670
- Tripathi, V. K., and A. Hill. Equivalent circuit modeling of losses and dispersion in single and coupled lines for microwave and millimeter-wave integrated circuits; *T-MTT Feb 88* 256-262
- Tripathi, V. K., *Guest Ed.* Introduction to special section of selected papers from 1987 Microwave and Millimeter Wave Monolithic Circuits Symposium (joint special section with *IEEE Transactions on Electron Devices*); *T-MTT Dec 87* 1087-1088
- Trippe, M., see Sutherland, A. D., *T-MTT May 82* 828-830
- Trippe, M., G. Bosman, and A. Van der Ziel. Transit-time effects in the noise of Schottky-barrier diodes; *T-MTT Nov 86* 1183-1192
- Trott, W. J., see Lagakos, N., *T-MTT Oct 82* 1621-1626
- Tsai, C.-T., H. Massoudi, C. H. Durney, and M. F. Iskander. A procedure for calculating fields inside arbitrarily shaped, inhomogeneous dielectric bodies using linear basis functions with the moment method; *T-MTT Nov 86* 1131-1139
- Comments, with reply, by Hagmann, M. J., *Aug 87* 785-786
- Tsai, M.-C., see Seshadri, S. R., *T-MTT Feb 81* 96-101
- Tsai, W. C., see Dao, T., *MWSYM 84* 218-220
- Tsalamengas, J. L., N. K. Uzunoglu, and N. G. Alexopoulos. Propagation characteristics of a microstrip line printed on a general anisotropic substrate; *T-MTT Oct 85* 941-945
- Tsalamengas, J. L., see Fikioris, J. G., *T-MTT Apr 88* 659-675
- Tsalamengas, J. L., see Fikioris, J. G., *T-MTT Oct 88* 1386-1396
- Tsang, K.-F., see Choi, Y. M., *T-MTT Apr 88* 715-723
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- Tserng, H. Q., see Kim, B., *CORNEL 85* 181-188
- Tserng, H. Q., see Saunier, P., *MCS 85* 1-3
- Tserng, H. Q., see Macksey, H. M., *MCS 85* 27-30
- Tserng, H. Q., see Kim, B., *MCS 85* 35-37
- Tserng, H. Q., see Kolodzey, J., *CORNEL 87* Paper 9
- Tserng, H. Q., see Bayraktaroglu, B., *CORNEL 87* Paper 32
- Tserng, H. Q., see Bayraktaroglu, B., *MWSYM 87 Vol. 2* 969-972
- Tserng, H. Q., see Camilleri, N., *MCS 88* 129-132
- Tserng, H. Q., see Camilleri, N., *MWSYM 88 Vol. 1* 179-182
- Tsironis, C., and R. Meierer. Microwave wide-band model of GaAs dual gate MESFETs; *T-MTT Mar 82* 243-251
- Tsironis, C., and V. Pauker. Temperature stabilization of GaAs MESFET oscillators using dielectric resonators (Short p.); *T-MTT Mar 83* 312-314
- Tsironis, C., R. Meierer, and R. Stahlmann. Dual-gate MESFET mixers; *T-MTT Mar 84* 248-255
- Tsironis, C. Highly stable dielectric resonator FET oscillators (Short p.); *T-MTT Apr 85* 310-314
- Tsironis, C., see El-Kamali, W., *T-MTT Oct 86* 1059-1063
- Tsuji, M., S. Suhara, H. Shigesawa, and K. Takiyama. Submillimeter guided-wave experiments with dielectric rib waveguides; *T-MTT Jun 81* 547-552
- Tsuji, M., H. Shigesawa, H. Aoki, and K. Takiyama. Analytical and experimental considerations on the resonant frequency and the quality factor of dielectric resonators; *T-MTT Nov 82* 1952-1958
- Tsuji, M., S. Matsumoto, H. Shigesawa, and K. Takiyama. Guided-wave experiments with dielectric waveguides having finite periodic corrugation; *T-MTT Apr 83* 337-342
- Tsuji, M., H. Shigesawa, and K. Takiyama. On the complex resonant frequency of open dielectric resonators; *T-MTT May 83* 392-396
- Tsuji, M., see Shigesawa, H., *MWSYM 84* 121-123
- Tsuji, M., H. Shigesawa, and K. Takiyama. Analytical and experimental investigations on several resonant modes in open dielectric resonators; *T-MTT Jun 84* 628-633
- Tsuji, M., see Shigesawa, H., *MWSYM 85* 357-360
- Tsuji, M., see Shigesawa, H., *MWSYM 85* 623-626
- Tsuji, M., and H. Shigesawa. Mutual interference between the guided-wave and the leaky-wave regions and its effects on the performance of dielectric grating filters; *MWSYM 86* 69-72
- Tsuji, M., see Shigesawa, H., *MWSYM 86* 119-122
- Tsuji, M., see Shigesawa, H., *MWSYM 86* 407-410
- Tsuji, M., see Shigesawa, H., *T-MTT Feb 86* 205-212
- Tsuji, M., see Shigesawa, H., *T-MTT Apr 86* 420-426
- Tsuji, M., see Lampariello, P., *MWSYM 87 Vol. 2* 731-734
- Tsuji, M., and H. Shigesawa. An accurate analysis of discontinuities in dielectric rectangular waveguide and its application to grating filters; *MWSYM 87 Vol. 2* 785-788
- Tsuji, M., see Shigesawa, H., *MWSYM 88 Vol. 1* 199-202
- Tsuji, M., and H. Shigesawa. Challenge to 3-D discontinuous dielectric waveguide circuit analysis; *MWSYM 88 Vol. 2* 635-638
- Tsuji, T., see Honjo, K., *T-MTT May 83* 412-417
- Tsuji, T., see Sugiura, T., *T-MTT Feb 85* 105-110
- Tsunoda, K., see Nishikawa, T., *MWSYM 87 Vol. 1* 133-136
- Tsunoda, K., see Nishikawa, T., *T-MTT Dec 87* 1150-1155
- Tsunoda, K., see Tanaka, T., *MWSYM 88 Vol. 2* 579-582
- Tsunoda, K., see Tanaka, T., *T-MTT Dec 88* 1752-1757
- Tsutsumi, M., Y. Masaoka, T. Ohira, and N. Kumagai. A new technique for magnetostatic wave delay lines; *T-MTT Jun 83* 583-587
- Tsutsumi, M. First-order Bragg interactions in a gyromagnetic-dielectric waveguide (Short p.); *T-MTT Oct 81* 1111-1114
- Tsutsumi, M., see Surawatpunya, C., *T-MTT Jul 83* 584-588
- Tsutsumi, M., T. Sakurai, and N. Kumagai. Magnetostatic wave delay lines using the nonuniformly magnetized YIG film; *MWSYM 84* 351-353
- Tsutsumi, M., see Surawatpunya, C., *T-MTT Jul 84* 689-695
- Tsutsumi, M., see Matsumoto, M., *T-MTT Apr 86* 406-411
- Tsutsumi, M., see Matsumoto, M., *T-MTT Feb 87* 89-95
- Tsutsumi, M., see Matsumoto, M., *T-MTT Nov 87* 1033-1042
- Tsutsumi, M., see Erkin, S., *T-MTT Mar 88* 568-575
- Tsutsumi, M., see Matsumoto, M., *T-MTT Aug 88* 1283-1285
- Tuan, H. S., see Cheng, T. S., *MWSYM 87 Vol. 2* 1001-1004
- Tucholke, U., see Arndt, F., *T-MTT Nov 84* 1479-1484
- Tucholke, U., F. Arndt, and T. Wriedt. Field theory design of square waveguide iris polarizers; *T-MTT Jan 86* 156-160
- Tucker, B. A., see Niclas, K. B., *T-MTT Aug 83* 661-668

- Tucker, B. A., see Crescenzi, E. J., Jr., *MWSYM 85* 328-331
- Tucker, R. S. RF characterization of microwave power FET's; *T-MTT Aug 81* 776-781
- Tucker, R. S., and D. J. Pope. Microwave circuit models of semiconductor injection lasers; *T-MTT Mar 83* 289-294
- Tucker, R. S., and P. D. Bradley. Computer-aided error correction of large-signal load-pull measurements; *T-MTT Mar 84* 296-300
- Tucker, R. S., J. M. Wiesenfeld, P. M. Downey, and J. E. Bowers. Limitations on switching speed in wideband semiconductor lasers; *MWSYM 86* 655-657
- Tucker, R. S. Wide-band semiconductor lasers and optical modulators for communications; *MWSYM 88 Vol. 2* 831-832
- Tumeh, A. M., see Iskander, M. F., *MWSYM 88 Vol. 1* 151-153
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- Turner, C. W., see Schwarz, S. E., *T-MTT Apr 86* 463-467
- Turner, E., Z. Lemnios, S. B. Moghe, A. Podell, C. Korgell, R. Genin, and H.-C. Huang. Application specific MMIC: A unique and affordable approach to MMIC development; *MCS 88* 9-14
- Turner, P. F. Comments, with reply, on 'Capabilities of multi-appliator systems for focused hyperthermia' by R. Knoechel (Original paper, Jan 83 70-73); *T-MTT Oct 83* 851-852
- Turner, P. F. Hyperthermia and inhomogeneous tissue effects using an annular phased array; *T-MTT Aug 84* 874-882
- Turner, P. F. Mini-annular phased array for limb hyperthermia; *T-MTT May 86* 508-513
- Turner, P. F. Interstitial equal-phased arrays for EM hyperthermia; *T-MTT May 86* 572-578
- Turski, Z., see Wahi, P., *T-MTT Nov 82* 2031-2033
- Turski, Z., see Herczfeld, P. R., *MWSYM 85* 211-214
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- Turski, Z., see Daryoush, A. S., *T-MTT Dec 86* 1363-1370
- Tveten, A. B., see Dandridge, A., *T-MTT Oct 82* 1635-1641
- Tzuang, C.-K., Q. Zhang, and T. Itoh. Finite element analysis of slow-wave Schottky printed line; *MWSYM 86* 131-132
- Tzuang, C.-K., and T. Itoh. Finite element analysis of slow-wave Schottky contact printed lines; *T-MTT Dec 86* 1483-1489
- Tzuang, C.-K., and T. Itoh. High-speed pulse transmission along a slow-wave CPW for monolithic microwave integrated circuits; *T-MTT Aug 87* 697-704
- U
- Überall, H., see Subrahmanyam, J. V., *T-MTT Oct 81* 1066-1073
- Uchida, K., and K. Aoki. Scattering of surface waves on transverse discontinuities in symmetrical three-layer dielectric waveguides; *T-MTT Jan 84* 11-19
- Uchida, K. Numerical analysis of surface-wave scattering by finite periodic notches in a ground plane; *T-MTT May 87* 481-486
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- Ueda, K., see Katsukawa, K., *MCS 87* 57-61
- Ueda, K., see Takahashi, M., *MCS 88* 31-35
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- Uetake, K., see Hosono, Y., *MCS 87* 49-52
- Uhde, K. Discontinuities in fin-line on semiconductor substrate; *MWSYM 86* 703-706
- Uhde, K., and J. Müller. Pulsed operation of an optoelectronic finline switch; *MWSYM 88 Vol. 2* 1075-1078
- Uher, J., F. Arndt, and J. Bornemann. Field theory design of ferrite-loaded waveguide nonreciprocal phase shifters with multisection ferrite or dielectric slab impedance transformers; *T-MTT Jun 87* 552-560
- Uher, J., J. Bornemann, and F. Arndt. Ferrite tunable millimeter wave printed circuit filters; *MWSYM 88 Vol. 2* 871-874
- Uher, J., J. Bornemann, and F. Arndt. Magnetically tunable rectangular waveguide E-plane integrated circuit filters; *T-MTT Jun 88* 1014-1022
- Uher, J., F. Arndt, and J. Bornemann. Computer-aided design and improved performance of tunable ferrite-loaded E-plane integrated circuit filters for millimeter-wave applications; *T-MTT Dec 88* 1841-1849
- Uhm, H. S., see Choe, J. Y., *T-MTT May 82* 700-707
- Uhm, H. S., and J. Y. Choe. Electromagnetic-wave propagation in a conducting waveguide loaded with a tape helix; *T-MTT Sep 83* 704-710
- Ulrich, R., see Heismann, F., *T-MTT Apr 82* 613-617
- Ulriksson, B. A time domain reflectometer using a semiautomatic network analyzer and the fast Fourier transform (Short p.); *T-MTT Feb 81* 172-174
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- Umashankar, K. R., see Taflov, A., *T-MTT Apr 85* 345-346
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- Umehira, M., see Kikuchi, H., *T-MTT Dec 87* 1277-1282
- Umemura, S.-I., see Cain, C. A., *T-MTT May 86* 542-551
- Unz, H. Propagation in transversely magnetized compressible plasma between two parallel planes; *T-MTT Jun 82* 894-899
- Unz, H. Propagation in longitudinally magnetized compressible plasma between two parallel planes (Short p.); *T-MTT Mar 83* 305-306
- Upadhyayula, L. C., R. L. Camisa, G. Taylor, S. N. Subbarao, and S. G. Liu. Passive GaAs FET switch models and their application in phase shifters; *MWSYM 87 Vol. 2* 903-906
- Upton, M. A. G., see Nightingale, S. J., *MCS 85* 74-77
- Upton, M. A. G., see Nightingale, S. J., *MWSYM 85* 116-119
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- Upton, M. A. G., see Nightingale, S. J., *T-MTT Dec 85* 1603-1610
- Upton, M. A. G., P. M. Smith, and P. C. Chao. HEMT low-noise amplifier for Ka-band; *MWSYM 87 Vol. 2* 1007-1010
- Ury, I., see Koren, U., *T-MTT Oct 82* 1641-1650
- Uslenghi, P. L. E., see Damaskos, N. J., *T-MTT Apr 84* 400-405
- Usui, Y., T. Oshima, Y. Toda, Y. Kato, and M. Tateda. Exact splice loss prediction for single-mode fiber; *T-MTT Apr 82* 601-604
- Utjes, J. C., G. S. Sarmiento, and P. A. A. Laura. Nonlinear optimization of the shape functions in the finite element method when determining cutoff frequencies of waveguides of arbitrary cross section (Short p.); *T-MTT Jan 88* 151-152
- Utsumi, Y. Analysis of image recovery down converter made by planar circuit mounted in a waveguide; *T-MTT Jun 82* 858-868
- Utsumi, Y. Variational analysis of ridged waveguide modes; *T-MTT Feb 85* 111-120
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- Uwano, T., R. Sorrentino, and T. Itoh. Characterization of stripline crossing by transverse resonance analysis; *MWSYM 87 Vol. 2* 777-780
- Uwano, T., see Nam, S., *MWSYM 87 Vol. 2* 945-948
- Uwano, T., see Nam, S., *T-MTT Dec 87* 1271-1276
- Uwano, T., R. Sorrentino, and T. Itoh. Characterization of strip line crossing by transverse resonance analysis; *T-MTT Dec 87* 1369-1376
- Uwano, T., see Ogawa, K., *MWSYM 88 Vol. 2* 1023-1026
- Uwano, T., see Hwang, V. D., *T-MTT Jan 88* 80-85
- Uysal, S., and A. H. Aghvami. Synthesis and design of wideband symmetrical nonuniform directional couplers for MIC applications; *MWSYM 88 Vol. 2* 587-590
- Uzunoglu, N. K., see Tsalamengas, J. L., *T-MTT Oct 85* 941-945
- Uzunoglu, N. K., see Cottis, P. G., *T-MTT Apr 86* 396-405
- Uzunoglu, N. K., E. A. Angelikas, and P. A. Cosmidis. A 432-MHz local hyperthermia system using an indirectly cooled, water-loaded waveguide applicator; *T-MTT Feb 87* 106-111
- Uzunoglu, N. K., P. G. Cottis, and P. S. Papakonstantinou. Analysis of thermal radiation from an inhomogeneous cylindrical human body model; *T-MTT Aug 87* 761-769
- Uzunoglu, N. K., see Capsalis, C. N., *T-MTT Nov 87* 1043-1051
- Uzunoglu, N. K., see Cottis, P. G., *T-MTT Apr 86* 676-681
- Uzunoglu, N. K., C. N. Capsalis, and C. P. Chronopoulos. Frequency-dependent analysis of a shielded microstrip step discontinuity using an efficient mode-matching technique; *T-MTT Jun 88* 976-984
- Uzunoglu, N. K., and S. I. Polychronopoulos. Microwave-induced auditory effect in a dielectric sphere; *T-MTT Oct 88* 1418-1425
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- Vafiadis, E., see Sahalos, J. N., *T-MTT Nov 85* 1165-1171
- Vaguine, V. A., see Babbs, C. F., *T-MTT May 86* 604-611
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- Vahldieck, R., J. Bornemann, F. Arndt, and D. Grauerholz. Optimized waveguide E-plane metal insert filters for millimeter-wave applications; *T-MTT Jan 83* 65-69
- Vahldieck, R., see Arndt, F., *T-MTT Jan 84* 34-39
- Vahldieck, R., J. Bornemann, F. Arndt, and D. Grauerholz. W-band low-insertion-loss E-plane filter (Short p.); *T-MTT Jan 84* 133-135
- Vahldieck, R., see Arndt, F., *T-MTT Oct 84* 1391-1394
- Vahldieck, R. Accurate hybrid-mode analysis of various fin-line configurations including multilayered dielectrics, finite metallization thickness, and substrate holding grooves; *T-MTT Nov 84* 1454-1460
- Vahldieck, R., and W. J. R. Hoefer. The influence of metallization thickness and mounting grooves on the characteristics of finlines; *MWSYM 85* 143-144
- Vahldieck, R., and W. J. R. Hoefer. A new class of optimized finline and E-plane metal insert filters with improved characteristics; *MWSYM 85* 182-184
- Vahldieck, R., and J. Bornemann. A modified mode-matching technique and its application to a class of quasi-planar transmission lines; *T-MTT Oct 85* 916-926
- Vahldieck, R., and W. J. R. Hoefer. Finline and metal insert filters with improved passband separation and increased stopband attenuation; *T-MTT Dec 85* 1333-1339
- Vahldieck, R., see Leitner, M., *MWSYM 86* 427-430
- Vahldieck, R., see Ruxton, J., *MWSYM 87 Vol. 1* 215-218
- Vahldieck, R., and J. Ruxton. A broadband groove guide coupler for millimeter-wave applications; *MWSYM 87 Vol. 1* 349-352
- Vahldieck, R., and B. V. de la Filolie. Computer-aided design of parallel-connected millimeter-wave duplexers/multiplexers; *MWSYM 88 Vol. 1* 435-438
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- Vale, C. R. SAW quadrature phase code generator; *T-MTT May 81* 410-414
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- van den Berg, P. M., W. J. Ghijsen, and A. Venema. The electric-field problem of an interdigital transducer in a multilayered structure; *T-MTT Feb 85* 121-129
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- van den Berg, P. M., and W. J. Ghijsen. A spectral iterative technique with Gram-Schmidt orthogonalization (Short p.); *T-MTT Apr 88* 769-772
- Van Den Berge, D., S. Denayer, R. Van Loon, A. Barel, and G. Storme. Experimental determination of absorbed power distribution in a phantom irradiated with a microwave applicator; *MWSYM 88 Vol. 1* 147-150
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- Van der Walt, P. W. Short-step-stub Chebyshev impedance transformers; *T-MTT Aug 86* 863-868
- Van der Walt, P. W. Comments, with reply, on 'Numerical analysis of various configurations of slab lines' by G. B. Stracca, et al (Original paper, Mar 86 359-363); *T-MTT Nov 87* 1075-1076
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- Van der Ziel, A., see Trippe, M., *T-MTT Nov 86* 1183-1192
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- van Leest, J. H. F. M., see Khoe, G.-D., *T-MTT Oct 82* 1561-1568
- Van Lil, E. Comments, with reply, on 'A rigorous technique for measuring the scattering matrix of a multipoint device with a two-port network analyzer' by J. C. Tippet and R. A. Speciale (Original paper, May 82 661-666); *T-MTT Mar 85* 286-287
- Van Loo, R., see Van Den Berge, D., *MWSYM 88 Vol. 1* 147-150
- Van Tuyt, R. L., V. Kumar, D. C. D'Avanzo, T. W. Taylor, V. E. Peterson, D. P. Hornbuckle, R. A. Fisher, and D. Estreich. A manufacturing process for analog and digital gallium arsenide integrated circuits; *T-MTT Jul 82* 935-942
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- Varadan, V. K., V. V. Varadan, Y. Ma, and W. F. Hall. Design of ferrite-impregnated plastics (PVC) as microwave absorbers; *T-MTT Feb 86* 251-258. Correction, *Oct 88* 1460
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- Veghte, R. L., and C. A. Balanis. Dispersion of transient signals in microstrip transmission lines; *MWSYM 86* 691-694
- Veghte, R. L., and C. A. Balanis. Dispersion of transient signals in microstrip transmission lines; *T-MTT Dec 86* 1427-1436
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- Venkataraman, J., S. M. Rao, A. R. Djordjević, T. K. Sarkar, and N. Yang. Analysis of arbitrarily oriented microstrip transmission lines in arbitrarily shaped dielectric media over a finite ground plane; *T-MTT Oct 85* 952-959
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- Verver, C. J., and W. J. R. Hoefer. Quarter-wave matching of waveguide-to-finline transitions (Short p.); *T-MTT Dec 84* 1645-1648
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- Verver, C. J., see Meszaros, S., *MWSYM 88 Vol. 2* 815-818
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- Vetanen, B. A., see Canfield, P. C., *CORNEL 87* Paper 30
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- Vickes, H.-O. Comments, with reply, on 'Phase shifts in single- and dual-gate GaAs MESFET's for 2-4-GHz quadrature phase shifters' by J. P. Mondal, et al. (Original paper, Oct 84 1280-1288); *T-MTT Feb 87* 215
- Vickes, H.-O. Comments on 'GaAs dual-gate FET for operation up to K-band' by B. Kim, et al. (Original paper, Mar 84 256-261); *T-MTT Jun 88* 1111
- Vidalon, J. F., see Nebus, J. M., *MWSYM 88 Vol. 2* 1049-1052
- Villar, J. C., and F. Pérez. Graphic design of matching and interstage lossy networks for microwave transistor amplifier; *T-MTT Mar 85* 210-215
- Villeneuve, A. T. Analysis of slotted, dielectrically loaded, ridged waveguide; *T-MTT Oct 84* 1302-1310
- Villeneuve, A. T. Equivalent circuits of junctions of slab-loaded rectangular waveguides; *T-MTT Nov 85* 1196-1203
- Villeneuve, B., P. Tremblay, A. Michaud, and M. Têtu. RF spectrum of thermal noise and frequency stability of a microwave cavity-oscillator; *MWSYM 84* 306-313
- Villeneuve, B., P. Tremblay, A. Michaud, and M. Têtu. RF spectrum of thermal noise and frequency stability of a microwave cavity-oscillator; *T-MTT Dec 84* 1565-1572
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- Comments, with reply, by Fikioris, J. G., et al., *Apr 87* 469-470
- Visser, J. J., see Casse, J. L., *T-MTT Feb 82* 201-209
- Vitello, P., W. H. Miner, Jr., and A. T. Drobot. Theory and numerical modeling of a compact low-field high-frequency gyrotron; *T-MTT Apr 84* 373-386
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- Vorhaus, J. L., see Ayasli, Y., *T-MTT Jan 84* 71-77
- Vowinkel, B., J. K. Peltonen, W. Reinert, K. Gruner, and B. Aumiller. Airborne imaging system using a cryogenic 90-GHz receiver; *T-MTT Jun 81* 535-541
- Vowinkel, B., K. Gruener, and W. Reinert. Cryogenic all solid-state millimeter-wave receivers for airborne radiometry; *T-MTT Dec 83* 996-1001
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- Vuong, J. B., G. Keogh, A. M. Madni, and L. A. Wan. A solid state, X-band, exciter/local oscillator/down converter subsystem for an airborne, coherent radar fire control system; *MWSYM 84* 161-163
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- Walton, E. R., Jr., E. K. Shen, F. S. Lee, R. Zucca, Y.-D. Shen, B. M. Welch, and R. Dikshit. High-speed GaAs SDFL divider circuit; *T-MTT Jul 82* 1020-1026
- Walton, M. P., see Ray, S., *MCS 86* 39-40
- Walton, M. P., P. R. Haugen, and S. L. Palmquist. A 1 Gbit/s optical/electrical input monolithic GaAs transmitter I.C.; *MWSYM 86* 713-716
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- Wang, C.-M., L.-Q. Zhao, W.-R. Zhuang, J.-M. Chang, C.-S. Chang, and Z.-Q. Wu. Superhigh differential quantum efficiency and strong self-sustained pulsation in CW DH laser diodes; *T-MTT Apr 82* 441-447
- Wang, D. C., R. G. Pauley, S. K. Wang, and L. C. T. Liu. Cost-effective high performance monolithic X-band low noise amplifiers; *MCS 86* 61-63
- Wang, D. C., R. G. Pauley, S.-K. Wang, and L. C. T. Liu. Cost-effective high-performance monolithic X-band low-noise amplifiers; *T-MTT Dec 86* 1553-1558
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- Wang, G. W., I. Ichitsubo, W. H. Ku, Y.-K. Chen, and L. F. Eastman. Large-signal time-domain simulation of HEMT mixers (Short p.); *T-MTT Apr 88* 756-759
- Wang, H., C. Bacot, C. Chevallier, and D. Ankr. GaAs/GaAlAs heterojunction bipolar phototransistor for monolithic photoreceiver operating at 140 Mbit/s; *MWSYM 86* 717-719

- Wang, H., C. Bacot, C. Gerard, J. L. Lievin, C. Dubon-Chevallier, D. Ankri, and A. Scavennec. GaAs/GaAlAs heterojunction bipolar phototransistor for monolithic photoreceiver operating at 140 Mbit/s; *T-MTT Dec 86* 1344-1348
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- Wang, K.-G., and S. K. Wang. State-of-the-art ion-implanted low-noise GaAs MESFET and monolithic amplifier; *MCS 87* 115-117
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- Wang, K.-G., and S. K. Wang. State-of-the-art ion-implanted low-noise GaAs MESFET's and high-performance monolithic amplifiers; *T-MTT Dec 87* 1501-1506
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- Wang, M.-S., see Gutmann, R. J., *MWSYM 87 Vol. 1* 281-284
- Wang, N.-L., W. Stacey, R. C. Brooks, K. Donegan, and W. E. Hoke. Millimeter-wave monolithic GaAs IMPATT VCO; *MCS 88* 59-62
- Wang, N.-L., W. Stacey, R. C. Brooks, K. Donegan, and W. E. Hoke. Millimeter-wave monolithic GaAs IMPATT VCO; *T-MTT Dec 88* 1942-1947
- Wang, P., see Sango, M., *MWSYM 88 Vol. 2* 1053-1056
- Wang, S., H. K. Choi, and I. H. A. Fattah. Studies of semiconductor lasers of the interferometric and ring types; *T-MTT Apr 82* 456-463
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- Wang, S. K., C.-D. Chang, M. Siracusa, L. C. T. Liu, R. G. Pauley, P. G. Asher, and M. Sokolich. Production technology for high-yield, high-performance GaAs monolithic amplifiers; *T-MTT Dec 85* 1597-1602
- Wang, S. K., K. G. Wang, and C. D. Chang. High performance monolithic power amplifier using a unique ion implantation process; *MCS 86* 5-7
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- Wang, S. K., K. G. Wang, and C. D. Chang. High performance monolithic power amplifier using a unique ion implantation process; *MWSYM 86* 803-805
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- Wang, T.-H., and T. Itoh. Compact grating structure for application to filters and resonators for monolithic microwave integrated circuits; *MWSYM 87 Vol. 1* 315-318
- Wang, T.-H., and T. Itoh. Compact grating structure for application to filters and resonators in monolithic microwave integrated circuits; *T-MTT Dec 87* 1176-1182
- Wang, T.-H., T. M. Wang, and T. Itoh. Experimental confirmation of slow-waves in a crosstie overlay coplanar waveguide and its application to band-reject gratings; *MWSYM 88 Vol. 1* 383-386
- Wang, T.-H., and T. Itoh. Confirmation of slow waves in a crosstie overlay coplanar waveguide and its applications to band-reject gratings and reflectors; *T-MTT Dec 88* 1811-1818
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- Wang, Y., K. Gu, and Y.-h. Shu. Synthesis equations for shielded suspended substrate microstrip line and broadside-coupled stripline; *MWSYM 88 Vol. 1* 331-334
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- Wang, Y. X. Coplanar waveguide short-gap resonator for medical applications; *T-MTT Dec 85* 1310-1312
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- Way, W. I., and M. M. Choy. Optical feedback on linearity performance of 1.3 μ m DFB and multimode lasers under deep microwave modulation; *MWSYM 87 Vol. 2* 889-892
- Way, W. I. Frequency-dependent and frequency-independent nonlinear characteristics of a high-speed laser diode; *MWSYM 88 Vol. 2* 991-994
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- Weingarten, K. J., R. Majidi-Ahy, M. J. W. Rodwell, B. A. Auld, and D. M. Bloom. Microwave measurements of GaAs integrated circuits using electrooptic sampling; *MWSYM 87 Vol. 2* 877-880
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- Wilson, P. F., and D. C. Chang. Mode coupling by a longitudinal slot for a class of planar waveguiding structures—I: Theory; *T-MTT Oct 85* 981–987
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- Wilson, W. J., R. J. Howard, A. C. Ibbott, G. S. Parks, and W. B. Ricketts. Millimeter-wave imaging sensor; *T-MTT Oct 86* 1026–1035
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- Zaki, K. A., and C. Chen. Coupling between hybrid mode dielectric resonators; *MWSYM 87 Vol. 2* 617-620
- Zaki, K. A., C. Chen, and A. E. Atia. Canonical and longitudinal dual-mode dielectric resonator filters without iris; *T-MTT Dec 87* 1130-1135
- Zaki, K. A., and C. Chen. Coupling of non-axially-symmetric hybrid modes in dielectric resonators; *T-MTT Dec 87* 1136-1142
- Zaki, K. A., see Mostafa, A. A., *T-MTT Dec 87* 1399-1407
- Zaki, K. A., see Chen, S.-W., *MWSYM 88 Vol. 1* 207-210
- Zaki, K. A., see Krowne, C. M., *MWSYM 88 Vol. 1* 211-214
- Zaki, K. A., C. Chen, and A. E. Atia. Modeling of coupling by probes in dual mode cavities; *MWSYM 88 Vol. 1* 515-518
- Zaki, K. A., see Chen, C., *T-MTT Oct 88* 1455-1457
- Zaki, K. A., see Roan, G. T., *T-MTT Nov 88* 1482-1487
- Zaki, K. A., C. Chen, and A. E. Atia. A circuit model of probes in dual-mode cavities; *T-MTT Dec 88* 1740-1746
- Zaki, K. A., S.-W. Chen, and C. Chen. Modeling discontinuities in dielectric-loaded waveguides; *T-MTT Dec 88* 1804-1810
- Zaki, K. A., see Krowne, C. M., *T-MTT Dec 88* 1850-1860
- Zamarro, J. M., see Martin, E., *T-MTT May 82* 667-670
- Zanforlin, L. Permittivity measurements of lossy liquids at millimeter-wave frequencies (Short p.); *T-MTT May 83* 417-419
- Zborowska, J., see Morawski, T., *MWSYM 84* 378-380
- Zdasiuk, G., see LaRue, R., *MWSYM 84* 164-166
- Zdasiuk, G., see Riazat, M., *MWSYM 85* 593-594
- Zdasiuk, G., see LaRue, R., *MCS 86* 23-26
- Zdasiuk, G., see Riazat, M., *MWSYM 86* 337-338
- Zdasiuk, G., see LaRue, R., *MWSYM 86* 821-824
- Zdasiuk, G., see LaRue, R., *T-MTT Dec 86* 1542-1547
- Zdasiuk, G., see Nishimoto, C., *MCS 87* 109-113
- Zdasiuk, G., see Nishimoto, C., *MWSYM 87 Vol. 1* 155-159
- Zdasiuk, G., see Bandy, S., *T-MTT Dec 87* 1494-1500
- Zdasiuk, G., see Yuen, C., *MCS 88* 139-142
- Zdasiuk, G., see Yuen, C., *MWSYM 88 Vol. 1* 247-250
- Zdasiuk, G., see Yuen, C., *T-MTT Jul 88* 1191-1195
- Zdasiuk, G., see Yuen, C., *T-MTT Dec 88* 1930-1937
- Zehentner, J. Characteristic impedance and effective permittivity of modified microstrip line for high power transmission; *T-MTT Jul 87* 615-620
- Zeng, L.-r., and Y. Wang. Accurate solutions of elliptical and cylindrical striplines and microstrip lines; *T-MTT Feb 86* 259-265
- Zhang, D.-Z., and Y.-X. Zhang. The absorption character of ferrite - ceramic complex material; *MWSYM 87 Vol. 1* 411-414
- Zhang, G., see Xu, Y., *T-MTT Jun 88* 929-933
- Zhang, Q., see Fukuoka, Y., *T-MTT Jun 85* 527-532
- Zhang, Q., see Tzuang, C.-K., *MWSYM 86* 131-132
- Zhang, Q., and T. Itoh. Computer-aided design of evanescent-mode waveguide filter with nontouching E-plane fins; *T-MTT Feb 88* 404-412
- Zhang, Q.-J., see Bandler, J. W., *T-MTT Jan 86* 93-102
- Zhang, Q. J., see Bandler, J. W., *MWSYM 87 Vol. 2* 709-712
- Zhang, Q.-J., see Bandler, J. W., *T-MTT Dec 87* 1231-1239
- Zhang, Q. J., see Bandler, J. W., *MWSYM 88 Vol. 1* 319-322
- Zhang, Q. J., see Bandler, J. W., *MWSYM 88 Vol. 2* 1041-1044
- Zhang, Q.-J., see Bandler, J. W., *T-MTT Dec 88* 1629-1638
- Zhang, Q.-J., see Bandler, J. W., *T-MTT Dec 88* 1661-1669
- Zhang, S., see Gu, M., *MWSYM 85* 107-110
- Zhang, W.-X., see Li, Z.-W., *MWSYM 86* 531-534
- Zhang, X., and K. K. Mei. Time-domain finite difference approach for the calculation of microstrip open-circuit end effect; *MWSYM 88 Vol. 1* 363-366
- Zhang, X., J. Fang, K. K. Mei, and Y. Liu. Calculations of the dispersive characteristics of microstrips by the time-domain finite difference method; *T-MTT Feb 88* 263-267
- Zhang, X., and K. K. Mei. Time-domain finite difference approach to the calculation of the frequency-dependent characteristics of microstrip discontinuities; *T-MTT Dec 88* 1775-1787
- Zhang, Y., and W. T. Joines. Some properties of T-septum waveguides; *T-MTT Aug 87* 769-775
- Zhang, Y., and W. T. Joines. Attenuation and power-handling capability of T-septum waveguides; *T-MTT Sep 87* 858-861
- Zhang, Y., N. V. Dubal, R. Takemoto-Hambleton, and W. T. Joines. The determination of the electromagnetic field and SAR pattern of an interstitial applicator in a dissipative dielectric medium; *T-MTT Oct 88* 1438-1444
- Zhang, Y.-X., see Zhang, D.-Z., *MWSYM 87 Vol. 1* 411-414
- Zhao, L.-Q., see Wang, C.-M., *T-MTT Apr 82* 441-447
- Zheng, G. W., see Chen, K. S., *MWSYM 88 Vol. 2* 631-634
- Zheng-he, F. Broadband dielectric waveguide coupler and six-port network; *MWSYM 86* 237-240
- Zhou, G.-G., T. Curtis, and R. Chen. A GaAs microwave MESFET with extremely low distortion; *MWSYM 87 Vol. 2* 569-572
- Zhou, S.-T., see Lin, Z.-Q., *T-MTT Sep 81* 881-891
- Zhou, W.-b., and T. Itoh. Analysis of trapped image guides using effective dielectric constant and surface impedances; *T-MTT Dec 82* 2163-2166
- Zhu, L., B. Wu, and C. Sheng. Real frequency technique applied to synthesis of lumped broadband matching networks with arbitrary nonuniform losses for MMIC's; *MWSYM 88 Vol. 2* 555-558
- Zhu, L., B. Wu, and C. Sheng. Real frequency technique applied to synthesis of lumped broad-band matching networks with arbitrary nonuniform losses for MMIC's; *T-MTT Dec 88* 1614-1620
- Zhu, L. D., K. T. Chan, and J. M. Ballantyne. Ultrahigh mobility InP and In_{0.53}Ga_{0.47}As grown by metal-organic chemical vapor deposition for high speed device applications; *CORNEL 85* 111-119
- Zhu, S.-G., K.-M. Chen, and H.-R. Chuang. Interaction of the near-zone fields of a slot on a conducting sphere with a spherical model of man; *T-MTT Aug 84* 784-795. *Correction, Apr 85* 350-351
- Zhuang, W.-c., see Qian, J.-r., *T-MTT Dec 83* 1045-1050.
- Zhuang, W.-R., see Wang, C.-M., *T-MTT Apr 82* 441-447
- Zich, R., see Daniele, V., *T-MTT Aug 85* 740-741
- Ziegler, C., see Bowes, J., *MWSYM 84* 245-246
- Zieniutycz, W. Comments, with reply, on 'The ZEPLS program for solving characteristic equations of electromagnetic structures' by P. Lampariello and R. Sorrentino (Original paper, May 75 457-458) *T-MTT May 83* 420
- Zieniutycz, W., see Citerne, J., *T-MTT Sep 85* 817-818
- Zimmerman, D. E., see Drury, D. M., *MWSYM 85* 219-222
- Zimmerman, D. E., and C. M. Panasiak. A 16 tap hybrid programmable transversal filter using monolithic GaAs dual-gate FET array; *MWSYM 85* 251-254
- Zimmerman, D. E., see Culver, J. W., *MWSYM 88 Vol. 2* 561-564
- Zimmerman, P., see Ediss, G. A., *T-MTT Nov 82* 2012-2013
- Zimmermann, D. C., see Drury, D. M., *MWSYM 85* 219-222
- Zimmermann, D. C., see Culbertson, R. B., *MCS 88* 121-124
- Zimmermann, D. C., see Culbertson, R. B., *MWSYM 88 Vol. 1* 171-174
- Zimmermann, J., see Salmer, G., *T-MTT Jul 88* 1124-1140
- Zimmermann, P., see Batelaan, P. D., *T-MTT Apr 88* 694-700
- Ziolkowski, R. W., and J. B. Grant. Vortex formation near an iris in a rectangular waveguide; *T-MTT Nov 86* 1164-1182
- Zipperian, T. E., T. J. Drummond, and I. J. Fritz. Operation of a p-channel, GaAs/(In,Ga)As, strained quantum well field-effect transistor at 4 K; *CORNEL 87* Paper 12
- Zirath, H., see Kollberg, E. L., *T-MTT Feb 83* 230-235
- Zirath, H., see Jelenski, A., *MWSYM 84* 552-554
- Zirath, H., see Kollberg, E. L., *T-MTT Sep 86* 913-922
- Zirath, H., see Jelenski, A., *T-MTT Nov 86* 1193-1201
- Zirath, H., S. M. Nilsen, H. Hjelmgren, L. P. Ramberg, and E. L. Kollberg. Temperature variable noise and electrical characteristics of Au - GaAs Schottky barrier millimeter-wave mixer diodes; *T-MTT Nov 88* 1469-1475
- Zmuda, H., see Carlin, H. J., *MWSYM 85* 307-310
- Znojekiewicz, M. E. 8 GHz low noise bias tuned VCO; *MWSYM 84* 489-491
- Znojekiewicz, M. E., and B. Vassilakis. Phase transients in digital radio local oscillators; *MWSYM 87 Vol. 1* 475-478
- Zschauer, K.-H., see Lengyel, G., *T-MTT Apr 82* 464-471
- Zubeck, I., see Riazat, M., *MWSYM 86* 337-338
- Zubeck, I., see Yuen, C., *T-MTT Dec 88* 1930-1937
- Zucca, R., see Lee, C.-P., *T-MTT Jul 82* 1007-1013
- Zucca, R., see Walton, E. R., Jr., *T-MTT Jul 82* 1020-1026
- Zuffada, C., see Conciauro, G., *T-MTT Nov 84* 1495-1504.
- Zürcher, J.-F. Micros 3—A CAD/CAM program for fast realization of microstrip masks; *MWSYM 85* 481-484