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This index covers the papers and technical correspondence appearing in this periodical during 1970. The primary entry for an item is in the Author Index, listed by name of the first author, and includes notice of all subsequent comments, corrections, etc., that have appeared up to the time of index preparation. The published occurrence of the item is described by listing the journal code, year, month, and inclusive pages. Volume number is not given, except once at the head of the index.

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There is a cross-reference entry to the first author's name from every coauthor, commenter, etc. Publication date is also given in cross references, to assist in identifying the item.

In the Subject Index there are several entries for each published item, under descriptive subject headings to establish a context. The item is referenced only in abbreviated form in the Subject Index. Refer to the Author Index to discover coauthor names, title, and the existence of corrections, comments, etc.

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- Microwave integrated circuits;** slot-line filters and couplers; slot-line transmission line on dielectric substrate. *Mariani, Elio, T-MTT 70 Dec 1089-1095*
- Microwave integrated circuits;** cf. Microstrip
- Microwave limiters;** subsidiary-resonance limiting; design of broadband ferrite limiter. *Carter, John L., T-MTT 70 Sep 652-654*
- Microwave limiters, matched;** 50 ohm resistor added to conventional dual-diode limiter. *Chao, Gene, T-MTT 70 May 283-284*
- Microwave measurements;** complex microwave conductivity of *p*-type silicon. *Datta, A. N., T-MTT 70 Mar 162-166*
- Microwave measurements;** garnets; spinwave linewidth measurements using low-power RF sources. *Courtney, William E., T-MTT 70 Aug 510*
- Microwave measurements;** IMPATT diode parameters; computer reduction of data. *Gewartowski, James W., T-MTT 70 Mar 157-161*
- Microwave measurements;** numerical data processing of reflection coefficient circles; application to varactor *Q* measurement. *Kajfez, Darko, T-MTT 70 Feb 96-100*
- Microwave measurements;** cf. Admittance measurement; Microwave attenuation measurement; Permeability measurement; Permittivity measurement; *Q* measurement; Reflection coefficient measurement; Scattering-parameter measurement; Spectral analysis; Waveguide loss measurement
- Microwave mixers;** microstrip image rejection balanced mixers; X-band. *Kurpis, G. P., T-MTT 70 Dec 1181-1182*
- Microwave mixers;** microstrip mixer on plastic substrate; low-noise design. *Hallford, Ben R., T-MTT 70 Dec 2278-1181*
- Microwave oscillators;** injection-locked Gunn oscillators; isolation required to prevent reverse locking. *Perlman, Barry S., T-MTT 70 Aug 507-508*
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- Microwave oscillators;** multidevice symmetrical structure; eigenvector analysis. *Kurokawa, Kaneyuki, T-MTT 70 Nov 967-969*
- Microwave oscillators;** *Q* measurement using injection-locking technique. *Ashley, J. Robert, T-MTT 70 Nov 1002-1004*
- Microwave oscillators;** cf. Avalanche-diode oscillators; Avalanche transit-time oscillators; Gunn oscillators; IMPATT oscillators; Injection-locked oscillators; LSA oscillators; Transferred-electron oscillators
- Microwave reflectometers;** measurement of reflectivity of smooth water using free-wave microwave reflectometers. *Thompson, Edgar J., T-MTT 68 Nov 938-943*
- Microwave Symposium;** cf. International Microwave Symposium
- Microwave Theory and Techniques Group;** cf. IEEE G-MTT
- Microwaves;** cf. Acoustic microwaves
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- Millimeter-wave attenuation;** through light-illuminated semiconductor panels. *Mavaddat, R., T-MTT 70 Jul 360-364*
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- Mode-matching techniques;** validity of discrete modal expansions; waveguide discontinuity problems. *Lewin, Leonard, T-MTT 70 Jul 364-372*
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- Numerical methods;** potential computation in nonhomogeneous dielectric media using Earnshaw's theorem. *Weiss, Jerald A., T-MTT 70 Sep 595-601*
- Numerical methods;** waveguide problem; biharmonic operators for finding higher order modes. *Silvester, P., T-MTT 70 Jan 63-64*
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- Partial differential equations;** finite-difference methods; digital computational formulation of Taylor series discretization method. *Silvester, P., T-MTT 70 Oct 740-743*
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- TRAPATT oscillators**; microstrip circuits; frequency prediction. Chaffin, Roger J., *T-MTT* 70 Nov 983-985
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