

# Recent Papers by IBM Authors

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## • Journals

**Internal Friction and Electron Microscopy Studies of Magnesium**, R. T. C. Tsui (RES Yorktown Hts.) and H. S. Sack (Cornell U.), *Acta Metallurgica* 15, No. 11, Part I, 1715-1723 and Part II, 1723-1730 (November, 1967). Mainly supported by the U. S. Atomic Energy Commission and content based on a thesis submitted to Cornell U.

**Deformation Behavior of Superplastic Zn-Al Alloy**, P. Chaudhari (RES Yorktown Hts.), *Acta Metallurgica* 15, No. 12, 1777-1786 (December, 1967).

**Photometric Endpoint Detection in the EDTA Titration of Zinc in the Presence of Manganese**, S. L. Levine (SDD Poughkeepsie) and H. J. Golden (U. of N. Dakota), *Analytical Letters* 1, No. 2 (November, 1967).

**Bulk Negative Differential Conductivity and Travelling Domains in N-Type Germanium**, B. J. Elliott, J. B. Gunn and J. C. McGroddy (RES Yorktown Hts.), *Applied Physics Letters* 11, No. 8, 253-255 (October 15, 1967).

**Simple Techniques for Very Thin SiO<sub>2</sub> Film Thickness Measurements**, W. A. Pliskin and R. P. Esch (CD E. Fishkill), *Applied Physics Letters* 11, No. 8, 257-259 (October 15, 1967).

**High Density Modular Electronic Packages, Parts I and II**, R. N. Jackson (FSD Owego), *Assembly Engineering* 9, No. 10, 34-38 (October, 1967) and No. 11, 30-34 (November, 1967).

**A Microprogrammed Implementation of EULER on IBM System/360 Model 30**, H. Weber (SDD Endicott), *Communications of the ACM* 10, No. 9, 549-558 (September, 1967).

**The Grammar Base Question-Answering Procedure**, P. S. Rosenbaum (RES Yorktown Hts.), *Communications of the ACM* 10, No. 10, 630-636 (October, 1967).

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**Phase-Locked Oscillator Supplies Input Pulses**, J. P. Pawletko (SDD Endicott), *Control Engineering* 14, No. 8, 69-70 (August, 1967).

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**Hardware: a Matter of Logic, Memory, and Timing**, T. J. Harrison (SDD San Jose), *Control Engineering* 14, No. 11, 74-79 (November, 1967).

**System/360 Coding Techniques**, R. H. Williams (SDD Endicott), *Data Processing* 9, No. 8, 22-24 (August, 1967).

**Reset Signal Cams Clock Movement into Synchronization**, F. C. Pexton (SDD Rochester), *Design News* 22, No. 2, 86-87 (October 11, 1967).

**Control of Composition Gradients in Electroplated Thin Nickel-Iron and Nickel-Iron-Copper Films by Programming of Plating Current**, H. Dahms (RES Yorktown Hts.), *Electrochemical Technology* 5, No. 9/10, 448-450 (September/October, 1967).

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**Measuring Fast Microampere Pulses**, A. L. Snover (Product Test, Endicott), *Electronic Instrument Digest* 3, No. 8, 7-11 (August, 1967).

**Stepping Motors Come of Age**, T. R. Fredriksen (SDD San Jose), *Electrotechnology* 80, No. 5, 36-41 (November, 1967).

**The Effects of Divided Attention on Visual Monitoring of Multi-Channel Displays**, J. D. Gould and A. Schaffer (RES Yorktown Hts.), *Human Factors* 9, No. 3, 191-202 (June, 1967).

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