CONTRIBUTIONS

Analog and Hybrid Systems

Off-Line Correlation Analysis of Nonstationary Signals ........................................... W. W. Wierwille and J. R. Knight 525

Computer Circuits

An Approximation to the Asymmetric Strip-Line Coupling Coefficient ............................. R. O. McCary 537

A Simple High-Speed Magnetic Access Switch Matrix .................................................. R. M. G. Wijnhoven 542

Memory Systems

Characterization of the Magnetic Second-Harmonic Analog Memory .............................. D. L. Greer 551

Switching Theory

Synthesis of Asynchronous Sequential Circuits with Multiple-Input Changes ...................... A. D. Friedman and P. R. Menon 559

Minimal Multiplexed Threshold Gate Realizations ...................................................... J. D. Bargainer, Jr. and C. L. Coates 566

Bounds on the Period of Oscillatory Activity in Randomly Interconnected Networks of Neuron-Like Elements .......................................................... D. L. Dietmeyer 578

A Two-Rail Cascade Synthesis of Boolean Functions ..................................................... V. Dvořák 592

Transformation of Switching Functions to Completely Symmetric Switching Functions ........ R. C. Born and A. K. Scidmore 596

SHORT NOTES

Logical Design

Generalized Parallel Redundancy in Digital Computers .................................................... N. Deo 600

On the Motion of an Unbounded, Markov Queue in Random Access Storage ....................... E. G. Coffman and A. C. McKellar 600

CONTRIBUTORS

REVIEWS OF BOOKS AND PAPERS IN THE COMPUTER FIELD

A. Programming Languages
R68-27 Programming Languages for Automata—D. E. Knuth and R. H. Bigelow ........................ Reviewed by A. V. Aho 605

B. Microprogramming
R68-28 A Microprogrammed Implementation of EULER on IBM System/360 Model 30—H. Weber ........................ Reviewed by W. M. McKeeman 607

C. Analog and Hybrid Computation
R68-29 Hydro System Optimization Model—R. A. Harvey .............................................. Reviewed by D. Darms 607
R68-30 Monte Carlo Solution of Partial Differential Equations Using a Hybrid Computer—H. Handler ........................ Reviewed by W. D. Little 607

ABSTRACTS OF CURRENT COMPUTER LITERATURE ....................................................... 609