

CONTENTS, JULY–AUGUST 1984

Part 1

Exact Calculation of the Reflection Coefficient for Coated Optical Waveguide Devices I

D. R. Kaplan and P. P. Deimel

The LT-1 Connector Family of Transmultiplexers

G. W. Bleisch, S. Dodds, and W. J. Mitchell

Electrical Transmission Lines as Models for Soliton Propagation in Materials, I: Elementary Aspects of Video Solitons

G. E. Peterson

800-MHz Attenuation Measurement In and Around Suburban Houses

D. C. Cox, R. R. Murray, and A. W. Norris

Transmission Errors in Companded PCM Over Gaussian and Rayleigh Fading Channels

W. C. Wong, R. Steele, and C.-E. Sundberg

Overtone Absorption and Raman Spectra of H₂ and D₂ in Silica Optical Fibers

J. Stone, A. R. Chraplyvy, J. M. Wiesenfeld, and C. A. Burrus

Part 2

COMPUTING SCIENCE AND SYSTEMS

Computer Response Time and User Performance During Data Entry

T. W. Butler

Program Transformations for Data Access in a Local Distributed Environment

J. D. DeTreville and W. D. Sincoskie

System Sparring for Minicomputer-Based Operations Systems

D. W. Tolleth

Build—A Software Construction Tool

V. B. Erickson and J. F. Pellegrin

Queueing and Framing Disciplines for a Mixture of Data Traffic Types

A. G. Fraser and S. P. Morgan

Coding for a Write-Once Memory

J. K. Wolf, A. D. Wyner, J. Ziv, and J. Körner

Local Area Data Transport Service Overview
M. N. Ransom

AT&T Technologies Implementation of Local Area Data Transport—
Hardware and Software Overview
H. J. Kafka, W. J. Paule, and D. J. Stelte

Optimum Scan-Width Selection Under Containment Constraints
M. R. Garey and R. W. Pinter