

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

NATO Advanced Study Institute on Pattern Recognition Meeting "Pattern Recognition Theory and Application," Ile de Bander (Bandol), France

September 8-17, 1975

L. F. Pau, Feature Extraction in the Time Domain: Application to the Analysis of Financial Data and Strategies over Time

5th Annual Meeting, Society for Neuroscience, New York, New York

November 2-6, 1975

Abstracts published by Society for Neuroscience, Bethesda, Maryland

Susan B. Udin, Retinotectal Plasticity after Half-Tectum Ablation in Adult Frogs (p. 516)

90th Meeting, Acoustical Society of America, San Francisco, California

November 3-7, 1975

Abstracts in J. Acoust. Soc. Am., Vol. 58, Suppl. No. 1, Fall 1975

D. B. Pisoni, J. R. Sawusch, and F. T. Adams, Simple and Contingent Adaptation Effects in Speech Perception (p. S58)

Annual Plasma Physics Meeting, American Physical Society, St. Petersburg, Florida

November 10-14, 1975

Abstracts in Bull. Am. Phys. Soc. 20, 1975

J. E. McCune, C. O. Beasley, Jr., H. K. Meier, and W. I. van Rij, Neoclassical Transport in Various Ranges of Collisionality as Calculated by the Collisional Plasma Model (p. 1310)

H. K. Meier, C. O. Beasley, Jr., J. E. McCune, and W. I. van Rij, Collisional Plasma Model with Self-consistent Electric Field (p. 1310)

W. I. van Rij, C. O. Beasley, Jr., J. E. McCune, and H. K. Meier, Calculation of Trapped-Electron Equilibrium Macroscopic Observables Using the Collisional Plasma Model (p. 1310)

1975 Annual Meeting, American Speech and Hearing Association, Washington, D.C.

November 21-24, 1975

J. M. Hillenbrand and D. B. Pisoni, Intensity and Repetition Effects on Selective Adaptation of Consonant Vowel Syllables

D. B. Pisoni, Psychological Techniques for Studying Stages of Perceptual Processing: Time, Habituation, and Discrimination

1975 Winter Meeting, Linguistic Society of America, San Francisco, California

December 27-30, 1975

M. Halle and P. Kiparsky, Toward a Reconstruction of the Indo-European Accent System

IEEE Workshop on Digital Signal Processing, Arden House, Harrison, New York

February 22-25, 1976

D. S. K. Chan, Computation Issues in the Implementation of 2-D Digital Filters

J. H. McClellan, A 2-D FIR Filter Structure Derived from the Chebyshev Recursion

MEETING PAPERS PRESENTED (continued)

Harvard University Linguistics Club, Cambridge, Massachusetts

March 1976

P. Kiparsky, Metrics and Recent Theories of Stress (invited)

"Stressfest," University of Southern California, Los Angeles, California

March 1976

M. Halle and P. Kiparsky, The Development of Indo-European Movable Accent Systems

29th Annual Meeting, Society of Exploration Geophysicists, Dallas, Texas

March 7-9, 1976

J. Tribolet, A. V. Oppenheim, and G. Kopec, Deconvolution by Homomorphic Prediction

1976 March Meeting, American Physical Society, Atlanta, Georgia

March 29-April 1, 1976

Abstracts in Bull. Am. Phys. Soc. 21 (1976)

H. F. Dylla and J. G. King, Scanning Desorption Microscopy (p. 241)

Syracuse University, Syracuse, New York

April 1, 1976

R. P. Kiparsky, A Poet, Too, Can Make a Tree (invited)

Second Conference: The Teaching of Acoustics and the Physics of Sound and Music, University of Iowa, Iowa City, Iowa

April 1-3, 1976

Abstract in Bulletin

A. J. M. Houtsma, A Unified Education Program in Musical Acoustics (p. 14)

Child Language Research Forum, Stanford University, Stanford, California

April 2-4, 1976

Lise Menn, Evidence for an Interactionist-Discovery Theory of Child Phonology

91st Meeting, Acoustical Society of America, Washington, D.C.

April 4-9, 1976

Abstracts in J. Acoust. Soc. Am., Vol. 59, Suppl. No. 1, Spring 1976

J. E. Berliner, L. D. Braida, and N. I. Durlach, Resolution and Bias-Edge Effects in the Perception of Intensity (p. S82)

Marcia Bush and K. N. Stevens, Burst Intensity and Position in the Perception of Voiced Stop Consonants (p. S40)

H. S. Colburn, R. H. Domnitz, R. M. Stern, Jr., and N. I. Durlach, Current Problems in Binaural Hearing Research (p. S16)

H. S. Colburn and P. Esquissaud, An Auditory-Nerve Model for Interaural Time Discrimination of High-Frequency Complex Stimuli (p. S23)

R. A. Cole and W. E. Cooper, Three Models of Perceptual Adaptation to Speech (p. S26)

W. E. Cooper, Theory of Semantic and Syntactic Control of Speech Timing (p. S5)

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- Ursula G. Goldstein, What Is the Nature of Stress in English Nominal Compounds? (p. S4)
- A. W. F. Huggins, Is Periodicity Detection Central? (p. S52)
- D. H. Klatt and Stefanie Shattuck-Hufnagel, The Perceptual Importance of the Second Formant during Rapid Spectrum Changes (p. S54)
- Martha Laferriere, Acoustic Analysis of Low Vowels in the Boston Dialect (p. S72)
- J. S. Lim, W. M. Rabinowitz, L. D. Braida, and N. I. Durlach, Relation of Mean Loudness Matches to Intensity JND's (p. S82)
- J. S. Lim, W. M. Rabinowitz, L. D. Braida, and N. I. Durlach, Variability of Loudness Comparisons (p. S82)
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- D. B. Pisoni, Fundamental Frequency and Perceived Vowel Duration (p. S39)
- W. M. Rabinowitz, Effects of the Acoustic Reflex on Middle-Ear Transmission and Eardrum Admittance in Man (p. S29)
- S. M. Rosen, Decay of Auditory Sensation: A Model and New Results from a Reaction-Time Experiment (p. S3)
- N. T. Shepard and H. S. Colburn, Interaural Time Discrimination of Clicks: Dependence on Interaural Time and Intensity Differences (p. S23)
- R. M. Stern, Jr., Lateral Position, Interaural Discrimination, and Binaural Detection: Model Based on Auditory-Nerve Activity (p. S23)
- K. N. Stevens and Sheila E. Blumstein, Context-Independent Properties for Place of Articulation in Stop Consonants (p. S40)
- Lee Williams, Prevoicing as a Perceptual Cue for Voicing in Spanish (p. S41)
- V. W. Zue, Spectral Characteristics of English Stops in Prestressed Position (p. S71)

Third International Conference on Nordic and General Linguistics, University of Texas, Austin, Texas

April 5-9, 1976

P. Kiparsky, Transformational Grammar: Opportunities and Alternatives

Annual Meeting on Theoretical Aspects of Controlled Thermonuclear Reserach, University of Wisconsin, Madison, Wisconsin

April 7-9, 1976

Abstracts in Proceedings

- B. Basu and B. Coppi, "Kinetic" Theory of Internal Kink Modes (2A-17)
- A. Bers, F. W. Chambers, N. J. Fish, and G. L. Johnston, Electron Heating with RF Power at the Lower Hybrid Frequency (2A-2)
- J. F. Clarke, Y-K. M. Peng, R. A. Dory, and D. J. Sigmar, Flux Conserving High Beta Toroidal Equilibria (P18)
- B. Coppi, R. Galvão, R. Pellat, M. Rosenbluth, and P. Rutherford, Resistive Internal Kink Modes (1A-4)
- B. Coppi and F. Pegoraro, Anomalous Particle and Energy Transport in High Temperature Plasmas (P15)

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G. L. Johnston, F. Y. Y. Chu, C. F. F. Karney, and A. Bers, Nonlinear Propagation of Lower Hybrid Waves in Two Dimensions, and Three-Dimensional OTS and Filamentation Instabilities (2A-8)

J. L. Kulp, K. Theilhaber, G. L. Johnston, and A. Bers, Lower Hybrid Ray Penetration into a Tokamak: Electromagnetic and 3-D Effects (2A-10)

K. Molvig, Neutral Transport from Classical Processes (3A-13)

F. Pegoraro and B. Coppi, Fluid-like Instabilities Driven by the Magnetic Curvature Drift (1B-14)

1976 IEEE International Conference on Acoustics, Speech, and Signal Processing, Philadelphia, Pennsylvania

April 12-14, 1976

Papers in Conference Record

J. Allen and D. O'Shaughnessy, A Comprehensive Model for Fundamental Frequency Generation (pp. 701-704; Abstract p. 83)

W. E. Cooper, Speech Timing of Coreference (p. 548)

R. H. Frazier, S. Samsam, L. D. Braida, and A. V. Oppenheim, Enhancement of Speech by Adaptive Filtering (pp. 251-253)

D. H. Klatt, A Digital Filter Bank for Spectral Matching (pp. 573-576)

Spring Annual Meeting, American Geophysical Union, Washington, D.C.

April 12-15, 1976

Abstracts in EOS Trans. Am. Geophys. Union 57, April 1976

J. A. Kong and L. Tsang, Passive Microwave Remote Sensing of Layered Media (p. 273)

12th Regional Meeting, Chicago Linguistic Society, Chicago, Illinois

April 22-25, 1976

I. Sag, A Logical Theory of Verb Phrase Deletion

109th Annual Meeting, American Otological Society, Palm Beach, Florida

April 23-May 1, 1976

N. Y. S. Kiang, M. C. Liberman, and R. A. Levine, Auditory-Nerve Activity in Cats Exposed to Ototoxic Drugs and High Intensity Sounds

Third International Symposium on Detection and Prevention of Cancer, New York, New York

April 26-May 1, 1976

Abstract

A. H. Barrett, P. C. Myers, and N. L. Sadowsky, Microwave Thermography: Application to the Detection of Breast Cancer (Symposium II, Paper 244)

Spring Meeting, American Physical Society, Washington, D.C.

April 26-29, 1976

Abstracts in Bull. Am. Phys. Soc. 21 (1976)

J. Apt and D. E. Pritchard, Velocity Dependence of Fine Structure Changing Collisions in Na(3P)+Ar, Xe (p. 549)

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G. Bekefi and T. J. Orzechowski, Relativistic Electron Beam Magnetron (p. 571)

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T. W. Ducas and M. L. Zimmerman, Infrared Spectroscopy on Rydberg States (p. 599)

R. R. Freeman and D. Kleppner, Core Polarizability of Na from $\Delta\ell$ Transitions in Rydberg States (p. 626)

D. Kleppner and T. W. Ducas, Application of Rydberg Atoms to Infrared Detection (p. 600)

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B. Richards, G. Bekefi, J. L. Terry, and H. W. Moos, Cryogenic Vacuum Isolation of Peripheral Devices on Tokamaks (p. 571)

J. L. Terry, H. W. Moos, B. Richards, G. Bekefi, and B. Ya'akobi, Ultraviolet Line Radiation from the Versator I Tokamak (p. 571)

1976 IEEE International Symposium on Circuits and Systems, Technical University of Munich, Munich, Germany

April 27-29, 1976

J. H. McClellan, Computer Optimization Algorithms for Digital Filter Design

Ohio State University, Columbus, Ohio

May 5, 1976

R. P. Kiparsky, Linguistic Approaches to Poetic Form (invited)

Symposium on Current Directions in Applied Time Series Analysis, University of Tulsa, Tulsa, Oklahoma

May 14-15, 1976

Papers in Program and Summaries

A. Oppenheim and J. Tribolet, Application of Homomorphic Filtering to Seismic Data Processing (pp. 5-18)

36th Annual Conference on Physical Electronics, American Physical Society, University of Wisconsin, Madison, Wisconsin

June 7-9, 1976

H. F. Dylla, M. J. Cardillo, and J. G. King, The Adsorption of CO on Planar and Oxygen-etched Silicon Surfaces

XIX COSPAR Plenary Meeting, Philadelphia, Pennsylvania

June 8-18, 1976

A. D. Fisher, B. L. Ledsham, P. W. Rosenkranz, and D. H. Staelin, Satellite Observations of Snow and Ice with an Imaging Passive Microwave Spectrometer

MEETING PAPERS PRESENTED (continued)

D. J. Muehlner, The Spectrum and Isotropy of the Cosmic Background Radiation

P. W. Rosenkranz, D. H. Staelin, and R. L. Pettyjohn, Retrieval of Atmospheric Temperature Profiles by a Scanning Microwave Spectrometer

Seminar at the Institut für Technische Physik, Zürich, Switzerland

June 14, 1976

A. V. Oppenheim, Application of Homomorphic Deconvolution to Seismology

1976 Canadian Association of Physicists, American Physical Society, and Sociedad Mexicana de Fisica Joint Congress Meeting, Quebec, Canada

June 14-17, 1976

Abstracts in *Bull. Am. Phys. Soc.* 21 (1976)

F. Martin, Experimental Study of a Non-Circular Cross Section Tokamak Plasma (p. 833)

National Conference on Electromagnetic Scattering, Chicago, Illinois

June 15-18, 1976

Papers in Proceedings

A. D. Fisher, A Model for Electromagnetic Intensity Propagation in Inhomogeneous Media (pp. 164-167)

148th Meeting, American Astronomical Society, Haverford, Pennsylvania

June 20-25, 1976

Abstracts in *Bull. Am. Astron. Soc.* 8 (1976)

A. H. Barrett, P. T. P. Ho, R. N. Martin, and M. H. Schneps, Microwave Line Observations of CRL 437 (p. 372)

A. H. Barrett, P. T. P. Ho, and P. C. Myers, Ammonia in the Kleinmann-Low Nebula (p. 350)

R. N. Martin and A. H. Barrett, Microwave Spectral Lines in Galactic Dust Globules (p. 336)

P. C. Myers, P. T. P. Ho, M. H. Schneps, G. Chin, and V. Pankonin, Spatial Extents and Gas Motions in the Rho Ophiuchi Dark Cloud (p. 335)

1976 International Symposium on Information Theory, Ronneby, Sweden

June 21-24, 1976

Abstracts in Abstracts of Papers

P. Elias, Two Results for Countable Sets of Codewords (p. 38)

J. H. Shapiro and M. Tebyani, A Unified Analysis of PPM Error Rates for Optical Communication through the Turbulent Atmosphere (p. 127)

J. H. Shapiro and H. P. Yuen, On the Point Process Generated by Photoemissive Detection of Two-Photon Radiation (p. 73)

H. P. Yuen, On the Optimality of Two-Photon Coherent States in Quantum Communication (p. 73)

MEETING PAPERS PRESENTED (continued)

COLING 76 – Computational Linguistics Conference, Ottawa, Canada

June 28-July 2, 1976

J. Allen and D. O'Shaughnessy, A Model for Fundamental Frequency Contours in English (Paper No. 46)

Sharon Hunnicutt, A New Morph Lexicon for English (Paper No. 25)

JOURNAL PAPERS ACCEPTED FOR PUBLICATION

(Reprints, if available, may be obtained from the Document Room, 36-412, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139. Pages are indicated for papers already published.)

- B. A. Blesser, T. T. Kuklinski, and R. J. Shillman, Empirical Tests for Feature Selection Based on a Psychological Theory of Character Recognition (Pattern Recognition 8, 77-85 (1976))
- B. F. Burke, Radio Pictures of the Sky (Technol. Rev. 78, 45-55 (1975))
- H. S. Colburn, Theory of Binaural Interaction Based on Auditory-Nerve Data. II. Detection of Tones in Noise (J. Acoust. Soc. Am.)
- W. E. Cooper, Syntactic Control of Timing in Speech Production: A Study of Complement Clauses (J. Phonetics)
- W. E. Cooper, D. Billings, and R. A. Cole, Articulatory Effects on Speech Perception: A Second Report (J. Phonetics)
- W. E. Cooper, R. R. Ebert, and R. A. Cole, Perceptual Analysis of Stop Consonants and Glides (J. Exp. Psychol. 2, 92-104 (1976))
- W. E. Cooper, R. R. Ebert, and R. A. Cole, Speech Perception and Production of the Consonant Cluster [st] (J. Exp. Psychol. 2, 105-114 (1976))
- B. Coppi, F. Pegoraro, R. Pozzoli, and G. Rewoldt, Slide-away Distributions and Relevant Collective Modes in High-Temperature Plasmas (Nucl. Fusion 16, 309-328 (1976))
- B. Coppi, G. Rewoldt, and T. Schep, Plasma Decontamination and Energy Transport Due to Impurity Driven Modes (Phys. Fluids)
- A. G. DeBruyn, P. C. Crane, R. M. Price, and J. B. Carlson, The Radio Sources in the Nuclei of NGC 3031 and NGC 4594 (Astron. Astrophys. 46, 243-251 (1976))
- C. Deutsch and G. Bekefi, Stark Broadening Calculations of the Lyman- α Line in a Turbulent Plasma (Phys. Rev.)
- G. H. Granlund, G. W. Zack, I. T. Young, and M. Eden, A Technique for Multiple-Cell Chromosome Karyotyping (J. Histochem. Cytochem. 24, 160-167 (1976))
- M. Halle, On Russian Accentuation (Slavic and East European J. 19, 104-111 (1975))
- Lorraine Honie and K. Hale, DINÉ BIZAAD YÁ'ÁTI' BEE DIITS'A'ÍGÍÍ: ÁLTSE BÍHOO'AAHÍGÍÍ (The Sounds of Navajo: Introduction) (Navajo Lang. Rev. 2, 83-91 (1975))

JOURNAL PAPERS ACCEPTED FOR PUBLICATION (continued)

- K. F. Kunzi, A. D. Fisher, D. H. Staelin, and J. W. Waters, Snow and Ice Surfaces Measured by the Nimbus-5 Microwave Spectrometer (J. Geophys. Res.)
- G. Lakoff and J. R. Ross, A Note on Anaphoric Islands and Causatives (Ling. Inquiry, Vol. III, No. 1, pp. 121-125, Winter 1972)
- K. Y. Lo, R. C. Walker, B. F. Burke, J. M. Moran, K. J. Johnston, and M. S. Ewing, Evidence for Zeeman Splitting in 1720 MHz OH Line Emission (Astrophys. J.)
- L. Makowski, A Phase Transition Model for Hemolysis (J. Theoret. Biol.)
- L. Makowski, A Physical Basis for Red Cell Membrane Elasticity (J. Theoret. Biol.)
- R. M. Mersereau, W. F. G. Mecklenbräuer, and T. F. Quatieri, Jr., McClellan Transformations for Two-Dimensional Digital Filtering: I. Design (IEEE Trans. (CAS))
- A. V. Oppenheim, G. Kopec, and J. Tribolet, Signal Analysis by Homomorphic Prediction (IEEE Trans., Vol. ASSP-24, No. 4, pp. 327-332, August 1976)
- G. D. Pappas, S. G. Waxman, and M. V. Bennett, Morphology of Spinal Electromotor Neurons and Presynaptic Coupling in the Gymnotid Sternachus albifrons (J. Neurocytol. 4, 469-478 (1975))
- N. Pippenger, On Crossbar Switching Networks (IEEE Trans., Vol. COM-23, No. 6, pp. 646-659, June 1975)
- P. R. Platero, The Navajo Relative Clause (Int. J. Am. Linguistics 40, 202-246 (1974))
- M. R. Portnoff, Implementation of the Digital Phase Vocoder Using the Fast Fourier Transform (IEEE Trans., Vol. ASSP-24, No. 3, pp. 243-248, June 1976)
- W. M. Rabinowitz, J. S. Lim, L. D. Braidia, and N. I. Durlach, Intensity Perception. VI. Summary of Recent Data on Deviations from Weber's Law for 1000-Hz Tone Pulses (J. Acoust. Soc. Am. 58, 1506-1509 (1976))
- J. R. Ross, Alphabet Soups and Name-Calling (Foundations of Language 9, 113 (1972))
- J. R. Ross, The Category Squish: Endstation Hauptwort (Kritikon Litterarum 2, 388-398 (1973))
- J. R. Ross, More on begin (Foundations of Language 8, 574-577 (1972))
- J. R. Ross, Parentage (Foundations of Language 8, 573 (1972))
- J. R. Ross, The Superficial Nature of Anaphoric Island Constraints (Ling. Inquiry, Vol. II, No. 4, pp. 599-600, Fall 1971)
- W. F. Schreiber, Laser/Dry Silver Facsimile System (J. Inst. Image Electron. Eng. Japan 3, 94-101 (1974))
- H. W. Schüssler, A Stability Theorem for Discrete Systems (IEEE Trans., Vol. ASSP-24, No. 1, pp. 87-89, February 1976)
- D. J. Sigmar and P. H. Rutherford, Bootstrap Equilibria in Tokamaks with Neutral Injection, Including the Energy Balance (Nucl. Fusion 13, 677-683 (1973))

JOURNAL PAPERS ACCEPTED FOR PUBLICATION (continued)

- D. J. Sigmar, G. Adam, and O. Hittmair, A Two-Dimensional Transport-Problem in Magnetized Plasmas (*Acta Phys. Austriaca* 42, 17-27 (1975))
- W. Simon and M. Eden, Three-Dimensional Measurements from Scanning Electron Micrographs by Electron Scribing (*Rev. Sci. Instrum.* 47, 443-444 (1976))
- L. Tsang and J. A. Kong, Emissivity of Half-Space Random Media (*Radio Sci.*)
- L. Tsang and J. A. Kong, Thermal Microwave Emission from Half-Space Random Media (*Radio Sci.*)
- R. C. Walker, K. Y. Lo, B. F. Burke, K. J. Johnston, and J. M. Moran, 6 Centimeter Observations of Radio Galaxies over a 228 Kilometer Baseline (*Astrophys. J.*)
- S. G. Waxman, Electron-microscopic Observations on Preterminal Fibers in the Oculomotor Nucleus of the Cat with Special Reference to the Relation between Axon Diameter and Myelin Thickness in Mammalian Gray Matter (*J. Neurol. Sci.* 26, 395-400 (1975))
- S. G. Waxman, Integrative Properties and Design Principles of Axons (*Int. Rev. Neurobiol.* 18, 1-40 (1975))
- J. C. Weaver, M. K. Mason, J. A. Jarrell, and J. W. Peterson, Biochemical Assay by Immobilized Enzymes and a Mass Spectrometer (*Biochim. Biophys. Acta* 438, 296-303 (1976))
- H. P. Yuen, Two-Photon Coherent States of the Radiation Field (*Phys. Rev. A* 13, 2226-2243 (1976))

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

- J. Apt and D. E. Pritchard, Velocity Dependence of Na-Ar, Xe Fine Structure Changing Collisions (*Phys. Rev. Letters*)
- A. Bers, D. J. Kaup, and A. H. Reiman, Nonlinear Interactions of Three Wavepackets in a Homogeneous Medium (*Phys. Rev. Letters*)
- P. C. Crane and R. M. Price, 1749+70.1/NGC 6503 - A New Quasar/Galaxy Pair (*Astrophys. J. Letters*)
- T. W. Ducas, M. G. Littman, M. L. Zimmerman, and D. Kleppner, Radiative Lifetimes of Selected Vibrational Levels in the $A^1\Sigma_u$ State of Na_2 (*J. Chem. Phys.*)
- H. A. Haus, Scattering Loss of S. A. W. Resonators (*Electron. Letters* 12, 214-215 (1976))
- A. Hershcovitch and P. A. Politzer, Time Evolution of Velocity-Space Instabilities on Counterstreaming, Magnetically Confined Electron Beams (*Phys. Rev. Letters* 36, 1365-1368 (1976))
- M. G. Littman, M. L. Zimmerman, T. W. Ducas, R. R. Freeman, and D. Kleppner, Structure of Sodium Rydberg States in Weak to Strong Electric Fields (*Phys. Rev. Letters* 36, 788-791 (1976))
- P. C. Myers and P. T. P. Ho, Formaldehyde in the Rho Ophiuchi Dark Cloud (*Astrophys. J.* 202, L25-L30 (1975))

TECHNICAL REPORTS PUBLISHED

(These and previously published technical reports, if available, may be obtained from the Document Room, 36-412, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139)

- 490 José Manuel Fonseca de Moura, Narrow-Band Passive Systems Theory with Applications to Positioning and Navigation

SPECIAL PUBLICATIONS

- G. Bekefi, T. J. Orzechowski, and K. D. Bergeron, Electron and Plasma Flow in a Relativistic Diode Subjected to a Crossed Magnetic Field, in G. Yonas (Ed.), Proceedings International Topical Conference on Electron Beam Research and Technology, Albuquerque, New Mexico, November 3-5, 1975, Vol. I, pp. 303-345, February 1976.
- Margaret Bullowa, When Infant and Adult Communicate How Do They Synchronize Their Behaviors?, in A. Kendon, R. M. Harris, and Mary R. Key (Eds.), Organization of Behavior in Face-to-Face Interaction (Mouton, The Hague, 1975), pp. 97-129.
- Margaret Bullowa, J. L. Fidelholtz, and A. R. Kessler, Infant Vocalization: Communication before Speech, in T. R. Williams (Ed.), Socialization and Communication in Primary Groups (Mouton, The Hague, 1975), pp. 253-281.
- M. Eden, Some Methodological Issues in Analyzing the Diagnostic Process, Proc. First Illinois Conference on Medical Information Systems, University of Illinois, Urbana, Illinois, October 17-18, 1974, pp. 59-69.
- M. Greenspan, K. I. Thomassen, and P. Penfield, Jr., General-Purpose Microwave Circuit Analysis Incorporating Waveguide Discontinuity Models, in Digest of Technical Papers, 1972 IEEE-GMTT International Microwave Symposium, Arlington Heights, Illinois, May 22-24, 1972, pp. 104-106.
- L. A. Hackel, D. G. Youmans, and S. Ezekiel, Molecular Beam Stabilized Argon Laser, in J. H. Sanders and A. H. Wapstra (Eds.), Atomic Masses and Fundamental Constants, Vol. 5 (Plenum Publishing Corp., New York, 1976), pp. 364-371.
- K. Hale, Gaps in Grammar and Culture, in M. D. Kinkade, K. L. Hale, and O. Werner (Eds.), Linguistics and Anthropology: In Honor of C. F. Vogelin (The Peter de Ridder Press, Lisse, The Netherlands, 1975), pp. 295-315.
- K. Hale, Phonological Developments in a Northern Paman Language: Uradhi, in P. Sutton (Ed.), Languages of Cape York (Australian Institute of Aboriginal Studies, Canberra, 1976), pp. 41-49.
- D. Hindle and I. Sag, Some More on Anymore, in R. W. Fasold and R. W. Shuy (Eds.), Analyzing Variation in Language (Georgetown University Press, Washington, D.C., 1975), pp. 89-110.
- N. Y. S. Kiang, Stimulus Representation in the Discharge Patterns of Auditory Neurons, in D. B. Tower (Ed.), The Nervous System, Vol. 3: Human Communication and Its Disorders (Raven Press, New York, 1975), pp. 81-96.
- P. Kiparsky, Comments on the Role of Phonology in Language, in J. F. Kavanagh and J. E. Cutting (Eds.), The Role of Speech in Language (The M.I.T. Press, Cambridge, Massachusetts, 1975), pp. 271-280.

SPECIAL PUBLICATIONS (continued)

- P. Kiparsky and Carol Kiparsky, Semantics and Language Acquisition, in L. Heilmann (Ed.), Proceedings of the Eleventh International Congress of Linguistics, Bologna-Florence, August 28-September 2, 1972 (Società editrice il Mulino, Bologna, 1975), pp. 289-293.
- S. M. Lazovic and P. Penfield, Jr., Notation for the Output from Synthesis Programs, Proc. 1974 European Conference on Circuit Theory and Design, London, England, July 23-26, 1974, pp. 457-462.
- P. Penfield, Jr., General-Purpose Electric-Circuit Analyzer Imbedded in APL, Proc. Purdue 1971 Symposium on Applications of Computers to Electrical Engineering Education, Purdue University, Lafayette, Indiana, April 26-28, 1971, pp. 402-405.
- P. Penfield, Jr., General-Purpose Network Analysis Using Wiring Operators, in Digest of Technical Papers, London 1971 IEEE International Symposium on Electrical Network Theory, The City University of London, England, September 6-10, 1971, pp. 116-117.
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