

PUBLICATIONS AND REPORTS

MEETING PAPERS PRESENTED

1973 International Symposium on Information Theory, Ashkelon, Israel

June 25-29, 1973

R. S. Kennedy, A Near Optimum Receiver for the Binary Coherent State Quantum Channel

26th Gaseous Electronics Conference, University of Wisconsin, Madison, Wisconsin

October 16-19, 1973

C. W. Werner and E. V. George, Kinetic Model of Ultraviolet Inversion in Xenon

15th Annual Plasma Physics Meeting, American Physical Society, Philadelphia, Pennsylvania

October 31 - November 3, 1973

R. J. Hawryluk, G. Bekefi, and E. V. George, Forbidden Optical Transitions in a Dense Laser-Produced Plasma

T. Orzechowski, G. Bekefi, J. Golden, and I. Mastovsky, Structure of Plasma Generated by Irradiation of a Solid Target with Light from a Pulsed CO₂ Laser

D. Prosnitz and E. V. George, Laser-Induced Optical Lines in a Helium Plasma

National Meeting, American Anthropological Association, New Orleans, Louisiana

November 28 - December 2, 1973

K. Hale and P. Platero, Aspects of Navajo Anaphora: Relativization and Pronominalization

Ellavina Perkins, The Semantics and Syntax of the Navajo Particle of Constituent Negation

141st Meeting, American Astronomical Society, Tucson, Arizona

December 2-6, 1973

P. C. Myers, Study of Correlations among OH, H₂CO, HI and Dust toward W44

Annual Meeting, American Meteorological Society, Honolulu, Hawaii

January 8-12, 1974

R. K. L. Poon, K. F. Kunzi, R. L. Pettyjohn, D. H. Staelin, and J. W. Waters, Measurements of Atmospheric Temperature Fields with the Nimbus-5 Microwave Spectrometer (NEMS)

D. H. Staelin, A. L. Cassel, K. F. Kunzi, R. L. Pettyjohn, R. K. L. Poon, P. W. Rosenkranz, J. W. Waters, and R. Wilcox, Atmospheric Water Measurements with the Nimbus-5 Microwave Spectrometer (NEMS)

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

January 14-17, 1974

R. E. Crochiere, A New Statistical Approach to the Coefficient Word Length Problem for Digital Filters

D. E. Dudgeon, Two-Dimensional Recursive Filter Design Using Differential Correction

MEETING PAPERS PRESENTED (continued)

R. M. Mersereau, The Representation and Processing of Two-Dimensional Signals as One-Dimensional Signals

A. V. Oppenheim and J. Tribolet, Pole-Zero Modeling Using Cepstral Prediction

Computer Science Conference, Detroit, Michigan

February 12-14, 1974

R. Flower, Computer Updating of a Data Structure

141st Meeting, American Association for the Advancement of Science, San Francisco, California

February 24 - March 2, 1974

D. H. Staelin, Nimbus Microwave Spectrometer Observations

Physical Electronics Conference, Bell Telephone Laboratories, Inc., Murray Hill, New Jersey

February 25-28, 1974

M. Balooch, M. J. Cardillo, and R. E. Stickney, Adsorption and Desorption of Hydrogen on Copper

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)

A. Bers and J. M. Smith, Surface Acoustoelectric Convolver (Abstract) (IEEE Trans. (ED))

R. R. Capranica, L. S. Frishkopf, and E. Nevo, Encoding of Geographic Dialects in the Auditory System of the Cricket Frog (Science)

J. S. Fields, Multicommodity Throughput in Digital Data Networks with Finite Storage (IEEE Trans. (COM))

M. Halle, Stress Rules in English: A New Version (Linguistic Inq.)

M. Halle, Review of P. Ladefoged Preliminaries to Linguistic Phonetics (Chicago University Press, 1971) (Language)

P. M. Harvey, K. P. Bechis, W. J. Wilson, and J. A. Ball, Time Variations in the OH Microwave and Infrared Emission from Late-type Stars (Astrophys. J. Suppl.)

J. J. Katz and R. I. Nagel, Meaning Postulates and Semantic Theory (Foundations of Language)

D. H. Klatt, The Duration of [s] in English Words (J. Speech Hearing Res.)

D. H. Klatt and R. A. Stefanski, How Does a Mynah Bird Imitate Human Speech? (J. Acoust. Soc. Am.)

K. Y. Lo and K. P. Bechis, The V1057 Cygni OH Sources: Accurate Position and Polarization Properties (Abstract) (Bull. Am. Astron. Soc.)

JOURNAL PAPERS ACCEPTED FOR PUBLICATION (continued)

- Claire L. Moore and E. R. Gruberg, The Distribution of Succinic Semialdehyde Dehydrogenase in the Brain and Retina of the Tiger Salamander (Ambystoma tigrinum) (Brain Res.)
- T. J. Orzechowski, G. Bekefi, J. Golden, and I. Mastovsky, Structure of Plasma Generated by Irradiation of a Solid Target with Light from a Pulsed CO₂ Laser (Abstract) (Bull. Am. Phys. Soc.)
- R. M. Price and J. M. Sutton, Radio Properties of the Crab Pulsar: Where is the Emission Region Located? (Abstract) (Bull. Am. Astron. Soc.)
- D. Prosnitz and E. V. George, Laser-Induced Optical Lines in a Helium Plasma (Abstract) (Bull. Am. Phys. Soc.)
- J. R. Ross, On Edge, in Part (Foundations of Language)
- J. R. Ross, Q-Binding and Conjunctive Questions (Foundations of Language)
- A. Sestero, The MHD Equilibrium of a Slightly Asymmetric Tokamak (Plasma Phys.)
- R. Shillman, C. Cox, T. Kuklinski, J. Ventura, M. Eden, and B. Blesser, A Bibliography in Character Recognition: Techniques for Describing Characters (Visible Language)

LETTERS TO THE EDITOR ACCEPTED FOR PUBLICATION

- B. Coppi, Restraining of Runaway Electrons in High Temperature Plasmas (Phys. Rev. Letters)
- B. Coppi, Heating by Catalytic Resistivity of High Temperature Plasmas (Lettere al Nuovo Cimento)
- E. M. Mattison, D. E. Pritchard, and D. Kleppner, Spin-Rotation Coupling in the Alkali-Rare-Gas van der Waals Molecule KAr (Phys. Rev. Letters)
- D. Pritchard, J. Apt, and T. Ducas, Fine Structure of Na 4d²D Using High-Resolution Two-Photon Spectroscopy (Phys. Rev. Letters)

SPECIAL PUBLICATIONS

- A. Bers, Theory of Absolute and Convective Instabilities (Abstracts International Congress on Waves and Instabilities in Plasmas, Institute for Theoretical Physics, Innsbruck University, Innsbruck, Austria, April 2-7, 1973), p. A2
- A. Bers, Theory of Absolute and Convective Instabilities, in G. Auer and F. Cap (Eds.), Survey Lectures International Congress on Waves and Instabilities in Plasmas, Innsbruck, Austria, April 2-7, 1973, pp. B1-B52
- A. Bers, C. F. F. Karney, and J. Kulp, Parametric Downconversion from Lower Hybrid Frequency Waves (Abstracts International Congress on Waves and Instabilities in Plasmas, Institute for Theoretical Physics, Innsbruck University, Innsbruck, Austria, April 2-7, 1973), p. M4
- A. Bers, J. Kulp, and D. C. Watson, Symbolic Computer Calculation of Plasma Wave Interactions (Abstracts International Congress on Waves and Instabilities in Plasmas, Institute for Theoretical Physics, Innsbruck University, Innsbruck, Austria, April 2-7, 1973), p. P13

SPECIAL PUBLICATIONS (continued)

- M. Eden, I. T. Young, and A. Fakhr, Normal Human Erythrocyte Shape as a Function of Size (Abstracts 57th Annual Meeting, Federation of American Societies for Experimental Biology, Atlantic City, New Jersey, April 15-20, 1973 (Fed. Proc. Part 1, 32, 428 Abs (1973))
- K. Hale, A Note on Subject-Object Inversion in Navajo, in B. B. Kachru, R. B. Lees, Y. Malkiel, Angelina Pietrangeli, and S. Saporta (Eds.), Issues in Linguistics: Papers in Honor of Henry and Renée Kahane (University of Illinois Press, Urbana, 1973), pp. 300-309
- K. Hale, Deep-Surface Canonical Disparities in Relation to Analysis and Change: An Australian Example, in T. A. Sebeok (Ed.), Current Trends in Linguistics Vol. 11 Research Center for the Language Sciences (Mouton, The Hague, 1973), pp. 401-458
- J. J. Katz, The Realm of Meaning, in G. A. Miller (Ed.), Communication, Language and Meaning (Basic Books Inc., New York, 1973), pp. 36-48
- P. Kiparsky, On Comparative Linguistics: The Case of Grassman's Law, in T. A. Sebeok (Ed.), Current Trends in Linguistics Vol. 11 Research Center for the Language Sciences (Mouton, The Hague, 1973), pp. 115-134
- P. Kiparsky, Phonological Representations, in O. Fujimura (Ed.), Three Dimensions of Linguistic Theory (TEC Corporation, Tokyo, Japan, 1973), pp. 1-136
- J. L. Kulp, A. Bers, and J. Moses, New Capabilities for Symbolic Computation in Plasma Physics (Proc. Sixth Conference on Numerical Simulation of Plasmas, Lawrence Radiation Laboratory, Berkeley, California, July 16-18, 1973, CONF-730804), pp. 64-68
- D. E. Robinson, Ultrasonic Data Acquisition and Display for Diagnostic Visualization (Proc. Workshop on "Interaction of Ultrasound and Biological Tissues," Seattle, Washington, November 8-10, 1971), John M. Reid and Melvin R. Sikov, DHEW Pub (FDA) 73-8008, September 1972, pp. 259-265
- J. R. Ross, Slifting, in Maurice Gross, Morris Halle, and Marcel-Paul Schützenberger (Eds.), The Formal Analysis of Natural Languages (Mouton and Co., The Hague, 1973), pp. 133-172
- J. R. Ross, A Fake N-P Squish, in C. J. Bailey and Roger Shuy (Eds.), New Ways of Analyzing Variation in English (Georgetown University Press, Washington, D. C., 1973), pp. 96-140
- J. R. Ross, Nouniness, in O. Fujimura (Ed.), Three Dimensions of Linguistic Theory (TEC Corporation, Tokyo, Japan, 1973), pp. 137-257