

C O N T E N T S

SESSION A - ELECTROSTATIC WAVES

	Pages
A.1 - Measurements of Diffusion in Velocity Space from Ion-Ion Collisions A.Y. WONG and D.R. BAKER Department of Physics, University of California, LOS ANGELES, Cal. 90024, USA	1-14
A.2 - Self Excited Ion Acoustic and Drift Waves in a Radiofrequency Plasma P. CALDIROLA, S. BERNABEI, R. DE DIONIGI, M. FONTANESI, G. LISITANO and E. SINDONI Istituto di Scienze Fisiche dell'Università di Milano, MILANO, Italy	15-22
A.3 - Radiation Characteristics of an Antenna in a Quiescent Plasma K. SHEN, S. AKSORNKITTI, H.C.S. HSUAN and K.E. LONNGREN The University of Iowa, IOWA CITY, Iowa 52240, USA	23-30
A.4 - Spherical Electro-Acoustic Waves in Drifting Plasmas R.J.L. GRARD European Space Research and Technology Center, ESTEC, NOORDWIJK, Netherlands	31-38
A.5 - Determination of Ion Energy Parameters using Electrostatic Disturbances in a Q-Machine P. KORN, T.C. MARSHALL and S.P. SCHLESINGER Columbia University, NEW YORK, New-York, USA	39-46
A.6 - Ion Acoustic Waves on Ion-Streaming Plasma H. IKEGAMI and Y. KAWAI Institute of Plasma Physics, Nagoya University, NAGOYA, Japon	47-54
A.7 - The Influence of a Biased Grid on the Plasma in a Single-Ended Q-Machine H.K. ANDERSEN, S.A. ANDERSEN, V.O. JENSEN, P. MICHELSEN and P. NIELSEN Research Establishment Risø, ROSKILDE, Denmark	55-60
A.8 - The Green's Function for Ion-Acoustic Waves P. NIELSEN Danish Atomic Energy Commission, Research Establishment Risø, ROSKILDE, Denmark	61-68
A.9 - Propagation of Ionic Waves: Theoretical Interpretation of the Ballistic Signal D. NGUYEN QUANG Association EURATOM-CEA, FONTENAY AUX ROSES, France	69-74
A.10 - Experiments on Linear Ion-Ballistic Pseudo-Waves H.J. DOUCET and D. GRESILLON Laboratoire de Physique des Milieux Ionisés, Ecole Polytechnique, PARIS, France	75-84

	Pages
A.11 - Pseudo-Waves - Multiple and Dispersive; Ion Waves - In a Magnetic Field and Non linear Phenomena I. ALEXEFF, A. HIROSE, W.D. JONES, K.E. LONNGREN and M. WIDNER Oak Ridge National Laboratory, OAK RIDGE, Tenn., USA	85-92
A.12 - Symmetry Considerations for Grid-Launched Ion-Acoustic Waves J.H. JACOB and J.L. HIRSHFIELD Mason Laboratory, Yale University, NEW HAVEN, Conn., USA	93-106
A.13 - Radial Ion Resonance in Bounded Magnetized Plasmas A.M. MESSIAEN, R.R. WEYNANTS and P.E. VANDENPLAS Laboratoire de Physique des Plasmas, Ecole Royale Militaire, BRUXELLES 4, Belgique	107-114
A.14 - Constant Frequency Oscillations in a Current Carrying Thermal Plasma M.T.C. FANG, D.A. FRASER and J.E. ALLEN Department of Engineering Science, University of Oxford, OXFORD, England	115-122
A.15 - On the Ion Oscillations in Bounded Plasmas L. ENRIQUES Laboratori Gas Ionizzati (Associazione EURATOM CNEN), FRASCATI, Rome, Italy	123-132
A.16 - Non Linear Interaction of Coherent Electron Plasma Waves R.N. FRANKLIN and P.J. BARRETT Culham Laboratory, ABINGDON, Berks., England	133-142
A.17 - Ion Acoustic Waves In a Single-Ended Q-Machine E.J. YADLOWSKY, R.H. ABRAMS Jr. and H. LASHINSKY University of Maryland, College Park, MARYLAND, USA	143-150
A.18 - A Model in Phase Space to Study non Linear Plasma Oscillations : the "Water Bag" P. BERTRANT, M.R. FEIX and G. BAUMANN Groupe de Physique Théorique et Plasma, Université de Nancy, NANCY, France	151-158
A.19 - Numerical Studies of a Non Linear Effect in Plasma R.J. BEDNARZ and D. MAKOSA Institute of Nuclear Research, SWIERK, Poland	159-166
A.20 - Non Linear Ion Acoustic Wave H.J. DOUCET, D. GRESILLON and J. SCHMITT Laboratoire de Physique des Milieux Ionisés, Ecole Polytechnique, PARIS, France	167-174
A.21 - Penetration of Electromagnetic Waves in a Plasma with a Static Magnetic Field M. MORESCO and E. ZILLI Centro Gas Ionizzati, (CNR), Istituto di Elettrotecnica e di elettronica, Università di Padova, PADOVA, Italy	175-182