

JOURNAL OF PLASMA PHYSICS

Volume 35 Part 2 April 1986

CONTENTS

Electron cyclotron waves: dispersion and accessibility conditions in isotropic and anisotropic plasmas P. A. ROBINSON	187
The effect of plasma compressibility on the Kelvin–Helmholtz instability DINA PRIALNIK, AHARON EVIATAR AND ALEXANDER I. ERSHKOVICH	209
Effect of higher-order nonlinearity on propagation of nonlinear ion-acoustic waves in a collisionless plasma consisting of negative ions S. G. TAGARE AND R. VIRUPAKSHI REDDY	219
Spherically symmetric high-velocity plasma expansions into background gases TAI-HO TAN AND JOSEPH E. BOROVSKY	239
Covariant ponderomotive Hamiltonian A. ACHTERBERG	257
Finite-amplitude solitary Alfvén waves in a low-beta plasma M. K. KALITA AND B. C. KALITA	267
Infinite contraction in force-free magnetic field evolution in cylindrical geometry PETER A. WATTERSON	273
A mechanism for Taylor relaxation in Z-pinches. Part 1. Dynamo mechanism S. K. H. AULUCK	295
Relaxation of magnetic field in a plasma via the tearing mode S. K. H. AULUCK	311
New representations of dielectric tensor elements in magnetized plasma I. P. SHKAROF SKY	319
Magnetic field-line reconnection with jets A. M. SOWARD AND E. R. PRIEST	333

© Cambridge University Press 1986

CAMBRIDGE UNIVERSITY PRESS

THE PITT BUILDING, TRUMPINGTON STREET, CAMBRIDGE CB2 1 RP
32 EAST 57TH STREET, NEW YORK, NY 10022, USA
10 STAMFORD ROAD, OAKLEIGH, MELBOURNE 3166, AUSTRALIA

Printed in Great Britain by the University Press, Cambridge