

Continued from back cover

- Stability of strong electromagnetic waves in overdense plasmas
against long-wavelength perturbations
F. J. ROMEIRAS AND G. ROWLANDS 285
- Kinetic theory of stimulated Raman scattering from a
magnetized plasma
T. J. M. BOYD AND R. RANKIN 303

JOURNAL OF PLASMA PHYSICS

Volume 33 Part 2 April 1985

CONTENTS

Nonlinear bound on unstable electrostatic fluctuation energy for non-relativistic non-neutral electron flow in a planar diode with applied magnetic field RONALD C. DAVIDSON	<i>page 157</i>
Self-focusing of nonlinear ion-acoustic waves and solitons in magnetized plasmas E. INFELD	171
Some properties of the Fokker-Planck equation G. J. LEWAK AND L. A. SOTO	183
On the exponential flattening of current sheets near neutral X-points in two-dimensional ideal MHD flow P. L. SULEM, U. FRISCH, A. POUQUET AND M. MENEGUZZI	191
Resistive decay of Alfvén waves in a non-uniform plasma Y. MOK AND G. EINAUDI	199
Modulational instability of obliquely modulated ion-acoustic waves in a two-electron-temperature plasma YASHVIR, T. N. BHATNAGAR AND S. R. SHARMA	209
The general Lie group and similarity solutions for the one-dimensional Vlasov-Maxwell equations DANA ROBERTS	219
Experiments on ion-acoustic rarefactive solitons in a multi-component plasma with negative ions Y. NAKAMURA, J. L. FERREIRA AND G. O. LUDWIG	237
The Fermi golden rule for ideal magnetohydrodynamics ALEXANDER E. LIFSHITZ	249
RF current drive with magnetic helicity injection D. K. BHADRA AND C. CHU	257
Multi-species kinetic generalization of the Appleton-Hartree dispersion formula A. J. M. GARRETT	265

Continued inside back cover

© Cambridge University Press 1985

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