

Continued from back cover

Generation of ultra-intense heavy ion beams for inertial confinement fusion F. WINTERBERG	<i>page</i> 301
Equation of state for a partially degenerate plasma J. W. JOHNSTON, J. CUMMING AND E. W. LAING	317
Wave-wave interactions in rotating gases L. STENFLO	333
On Dupree's resonance function P. ROLLAND	341
Two-dimensional plasma equilibria J. A. SHERCLIFF	347
A second-order theory for the ion-acoustic heat flux instability S. P. GARY	361
Comments on the paper 'On energy of non-resonantly growing plasma waves' by A. Hirose G. SCHMIDT	381
Reply to the comments by G. Schmidt A. HIROSE	383

JOURNAL OF PLASMA PHYSICS

Volume 21 Part 2 April 1979

CONTENTS

Acoustic instabilities and plasma heating resulting from energetic ion beam injection E. H. DA JORNADA, J. D. GAFFEY, JR. AND M. Z. CAPONI	page 193
Cold plasma dispersion surfaces M. E. OAKES, R. B. MICHLIE, K. H. TSUI AND J. E. COPELAND	205
Nonlinear propagation of the extraordinary mode in a hot magnetoplasma TU KHIET, Y. FURUTANI AND Y. H. ICHIKAWA	225
Most probable states in magnetohydrodynamics D. MONTGOMERY, L. TURNER AND G. VAHALA	239
Merging tokamaks N. OHYABU, C. L. HSIEH AND T. H. JENSEN	253
Transverse instability of soliton solutions to nonlinear Schrödinger equations D. ANDERSON, A. BONDESON AND M. LISAK	259
Excitation of an upper hybrid wave by a Gaussian electromagnetic beam in ordinary mode M. S. SODHA, D. P. TEWARI, B. L. PATHAJA AND R. P. SHARMA	267
Low frequency waves in inhomogeneous magnetic fields A. HRUŠKA	279
Nonlinear theory of the Weibel instability D. S. LEMONS, D. WINSKE AND S. P. GARY	287

Continued on inside back cover

© Cambridge University Press 1979

CAMBRIDGE UNIVERSITY PRESS

THE PITT BUILDING, TRUMPINGTON STREET, CAMBRIDGE CB2 1RP
BENTLEY HOUSE, 200 EUSTON ROAD, LONDON NW1 2DB
32 EAST 57TH STREET, NEW YORK, N.Y. 10022

Printed in Great Britain at the University Press, Cambridge