

*Continued from back cover*

Magneto-viscous resistive tearing of cylindrical flux surfaces R. J. HOSKING	page 329
Soliton formation at critical density in laser-irradiated plasmas D. ANDERSON, A. BONDESON AND M. LISAK	339
Nonlinear coupling of three waves in non-uniform plasma G. C. PRAMANIK	353
Critical-level behaviour of ion-cyclotron waves J. F. MCKENZIE	361
Parametric decay of non-ducted whistler-mode signal P. NENOVSKI, P. K. SHUKLA, S. G. TAGARE AND I. ZHELYKAZOV	377

**JOURNAL OF PLASMA PHYSICS**

Volume 22 Part 2 October 1979

**CONTENTS**

The resistive evolution of force-free magnetic fields. Part 3. Cylindrical geometry <i>J. REID AND E. W. LAING</i>	<i>page</i> 193
Stability of relativistic transverse waves. Part 2. Linearly polarized waves. <i>F. J. ROMEIRAS</i>	201
Magnetoacoustic oscillations in a finite-beta current carrying plasma column <i>M. L. SAWLEY</i>	223
Method for predicting the properties of cyclotron harmonic waves from the perpendicular dispersion relation <i>B. LAMBÈGE</i>	231
Compressible magnetic-field reconnection <i>E. HAMEIRI</i>	245
Finite-Larmor-radius effects on anisotropy-driven electromagnetic modes in high-beta plasmas <i>J. GOEDERT AND J. P. MONDT</i>	257
Excitation of high-frequency waves with mixed polarization by streaming energetic electrons <i>L. C. LEE, C. S. WU, H. P. FREUND, D. DILLENBURG AND J. GOEDERT</i>	277
Self-similar resistive decay of a current sheet in a compressible plasma <i>K. B. KIRKLAND AND B. U. Ö. SONNERUP</i>	289
On the existence and stability of trapped Langmuir modes in a double layer <i>C. WAHLBERG</i>	303

*Continued on inside back cover*

© Cambridge University Press 1979

**CAMBRIDGE UNIVERSITY PRESS**THE PITT BUILDING, TRUMPINGTON STREET, CAMBRIDGE CB2 1RP  
32 EAST 57TH STREET, NEW YORK, N.Y. 10022*Printed in Great Britain at the University Press, Cambridge*