

*Continued from back cover*

Damping of nonlinear magneto-acoustic waves

G. L. KALRA AND V. B. BHATIA

125

Excitation of Alfvén waves by fast particles in a finite pressure  
plasma of adiabatic traps

B. I. MEERSON, A. B. MIKHAILOVSKII AND  
O. A. POKHOTELOV

137

**JOURNAL OF PLASMA PHYSICS**

Volume 20 Part 1 August 1978

**CONTENTS**

Dynamic feedback for multi-mode plasma instabilities A. K. SEN	<i>page 1</i>
The collisionless flow of unmagnetized plasmas around bodies B. KÖNEMANN	17
Merging of magnetic fields with field-aligned plasma flow components H. G. MITCHELL AND J. R. KAN	31
Electrostatic heat flux instabilities S. P. GARY	47
Numerical parameter study of stability against resistive axisymmetric modes for doublets T. H. JENSEN AND F. W. MCCLAIN	61
On the theory of Buneman's instability in hot ion plasma I. A. EL-NAGGAB, SH. M. KHALIL AND V. L. SIZONENKO	75
A strictly Markovian expansion for plasma turbulence theory F. C. JONES	87
Resonant wave-particle interaction at the half-integer cyclotron harmonics J. P. M. SCHMITT AND Y. LAPIERRE	95
Ionization waves in plasma columns detected by microwaves G. CICCONI, C. ROSATELLI AND V. MOLINARI	107

*Continued on inside back cover*

© Cambridge University Press 1978

**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*