

Advanced Methods for Space Simulations

Cover: Demonstration that the KEMPO1 code can simultaneously accommodate both an electrostatic two-stream instability and an electromagnetic instability.

An electron beam with a gyrotropic ring distribution is injected into a thermal plasma with a drift velocity along the static magnetic field. Both beam electrons and thermal electrons undergo strong diffusion in the pitch-angle and parallel velocity.

Advanced Methods for Space Simulations

Edited by
H. Usui and Y. Omura



TERRAPUB, Tokyo

Advanced Methods for Space Simulations
Edited by H. Usui and Y. Omura
ISBN 978-4-88704-138-7

Published by TERRAPUB, 2003 Sansei Jiyuugaoka Haimu, 27-19 Okusawa 5-chome,
Setagaya-ku, Tokyo 158-0083, Japan.
Tel: +81-3-3718-7500 Fax: +81-3-3718-4406
URL <http://www.terrapub.co.jp/>

All rights reserved

© 2007 by TERRAPUB, Tokyo

No part of the material protected by this copyright notice may be reproduced or utilized in any form or by any means, electronic or mechanical, including photo-copying, recording or by any information storage and retrieval system, without written permission from the copyright owner.

(This book is partly supported by Grant-in-Aid for Publication of Scientific Research Results of the Japan Society for the Promotion of Science.)

Printed in Japan