



## Bifurcation of drift shells near the dayside magnetopause

By Ozturk, M. Kaan

Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | Metastability and chaotic transport in the outer radiation belts | Dynamics of radiation belts of the Earth has both theoretical and practical importance, due to numerous spacecraft around the Earth. A special type of dynamics, called drift-shell bifurcation, occurs in the outer radiation belts. This phenomenon provides a new mechanism for the diffusion of particles in radiation belts, and for metastable trapping in the magnetosphere. This monograph begins with an overview of plasma dynamics in the magnetosphere, followed by a description of basic properties of drift-shell bifurcation using test-particle simulations in model magnetospheres. The text presents a review of separatrix-crossing theory and of asymptotic analysis of the second Painleve equation. This theoretical framework is then applied to the problem of drift-shell bifurcation to analyze the changes in the dynamical variables. This book is aimed at graduate students and researchers in the field of space science and plasma physics. | Format: Paperback | Language/Sprache: english | 164 pp.

DOWNLOAD



READ ONLINE

[ 8.22 MB ]

### Reviews

*Merely no words and phrases to describe. I am quite late in start reading this one, but better then never. I found out this ebook from my i and dad encouraged this pdf to find out.*

-- Hyman Auer

*I actually started out looking over this publication. It can be writter in easy phrases and never difficult to understand. Your lifestyle span will probably be transform as soon as you comprehensive looking over this ebook.*

-- Prof. Dayne Crist Sr.

## Related PDFs



### **Violet Rose and the Surprise Party**

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a birthday coming up, she and her buddies...



### **The Voyagers Series - Europe: A New Multi-Media Adventure Book 1**

Strength Through Communications, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.The Voyagers Series is a new multi-media, multi-disciplinary approach to teaching reading that provides students with a stimulating,...



### **Would It Kill You to Stop Doing That?**

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years ago, humorist and journalist Henry Alford found...



### **If I Were You (Science Fiction & Fantasy Short Stories Collection) (English and English Edition)**

Galaxy Press. PAPERBACK. Book Condition: New. 1592123597 Brand new soft cover book. Soft cover books may show light shelf wear. Item ships within 24 hours with Free Tracking.



### **TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)**

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the Youth Pre-employment Training software download generated pictures...



### **Alphabet Tracing**

Createspace, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Alphabet Tracing, Letters A-Z, provides extensive focus on alphabet tracing and printed letter formation for the preschool and kindergarten beginning...