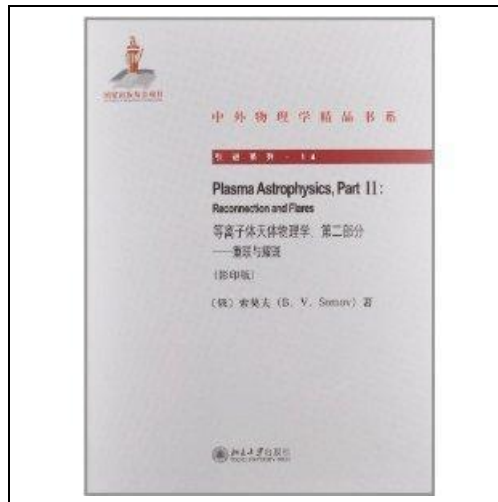


Plasma Astrophysics, Part 8545; Reconnection and Flares (English Edition)



Filesize: 7.49 MB

Reviews

The very best pdf i possibly study. It generally will not expense excessive. You wont really feel monotony at anytime of the time (that's what catalogs are for concerning should you ask me).

(Prof. Owen Sporer)

PLASMA ASTROPHYSICS,PART Ⅱ;RECONNECTION AND FLARES (ENGLISH EDITION)



To get **Plasma Astrophysics,Part Ⅱ;Reconnection and Flares (English Edition)** eBook, please refer to the button below and save the document or get access to additional information which might be in conjunction with **PLASMA ASTROPHYSICS,PART Ⅱ;RECONNECTION AND FLARES (ENGLISH EDITION)** ebook.

Peking University Press, 2012. Soft cover. Book Condition: New. 1st Edition. Pages:413 Format: 22.8 x 16.8 x 2.4 cm Weight: 621 g

1 Magnetic Reconnection

1.1 What is magnetic reconnection？ 1.1.1 Neutral points of a magnetic field 1.1.2 Reconnection in vacuum 1.1.3 Reconnection in plasma 1.1.4 Three stages in the reconnection process

1.2 Acceleration in current layers why and how？ 1.2.1 The origin of particle acceleration 1.2.2 Acceleration in a neutral current layer

1.3 Practice：Exercises and Answers

2 Reconnection in a Strong Magnetic Field

2.1 Small perturbations near a neutralline 2.1.1 Historical comments 2.1.2 Reconnection in a strong magnetic field 2.1.3 A linearized problem in ideal MHD 2.1.4 Converging waves and the cumulative effect

2.2 Large perturbations near the neutralline 2.2.1 Magnetic field line deformations 2.2.2 Plasma density variations

2.3 Dynamic dissipation of magnetic field 2.3.1 Conditions of appearance 2.3.2 The physical meaning of dynamic dissipation

2.4 Nonstationary analytical models of RCL 2.4.1 Self-similar 2D MHD solutions 2.4.2 Magnetic collapse at the zeroth point 2.4.3 From collisional to collisionless reconnection

3 Evidence of Reconnection in Solar Flares

3.1 The role of magnetic fields 3.1.1 Basic questions 3.1.2 Concept of magnetic reconnection 3.1.3 Some results of observations

3.2 Three-dimensional reconnection in fiares 3.2.1 Topological model of an active region 3.2.2 Topological portrait of an active region 3.2.3 Features of the fiare topological model 3.2.4 The S-like morphology and eruptive activity

3.3 A current layer as the source of energy 3.3.1 Pre-flare accumulation of energy 3.3.2 Flare energy release 3.3.3 The RCL as a part of an electric circuit

3.4 Reconnection in action 3.4.1 Solar flares of the Syrovatsky type 3.4.2 Sakao-type flares 3.4.3 New topologicalmodels 3.4.4 Reconnection between active regions

4 The Bastille Day 2000 Flare

4.1 Main observational properties 4.1.1 General characteristics of the flare 4.1.2 Overlay HXR images on...



[Read Plasma Astrophysics,Part Ⅱ;Reconnection and Flares \(English Edition\) Online](#)



[Download PDF Plasma Astrophysics,Part Ⅱ;Reconnection and Flares \(English Edition\)](#)

Other eBooks



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

Follow the web link under to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" PDF file.

[Save ePub »](#)



[PDF] **TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

Follow the web link under to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF file.

[Save ePub »](#)



[PDF] **Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)**

Follow the web link under to download "Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)" PDF file.

[Save ePub »](#)



[PDF] **Read Write Inc. Phonics: Purple Set 2 Non-Fiction 4 What is it?**

Follow the web link under to download "Read Write Inc. Phonics: Purple Set 2 Non-Fiction 4 What is it?" PDF file.

[Save ePub »](#)



[PDF] **What is Love A Kid Friendly Interpretation of 1 John 311, 16-18 1 Corinthians 131-8 13**

Follow the web link under to download "What is Love A Kid Friendly Interpretation of 1 John 311, 16-18 1 Corinthians 131-8 13" PDF file.

[Save ePub »](#)



[PDF] **What is in My Net? (Pink B) NF**

Follow the web link under to download "What is in My Net? (Pink B) NF" PDF file.

[Save ePub »](#)