



Analysis of the Transition Region Between an Uniform Plasma and Its Confining Magnetic Field II (Classic Reprint)

By James Hurley

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Analysis of the Transition Region Between an Uniform Plasma and Its Confining Magnetic Field II The problem considered here is that of the transition region separating a uniform plasma from its confining magnetic field. The geometry chosen is one-dimensional. The magnetic field profile within the boundary layer is determined by the current distribution i.e., by the paths of the ions and electrons. The paths of these particles on the other hand are determined by the fields in which they move. An exact, self-consistent solution of Maxwell's equations and the equations of motion of the particles is obtained. A detailed analysis is made for a hydrogen plasma. These results are then compared with those of a plasma whose positive constituent is the proton and whose negative constituent has a mass which approaches zero and a speed which approaches infinity in such a way that the energy remains finite. The transition layer thickness for these two plasma's agree to one part in 10. It is shown that this latter case is equivalent to treating the...



[DOWNLOAD PDF](#)



[READ ONLINE](#)

[4.27 MB]

Reviews

The ebook is fantastic and great. I really could comprehend almost everything using this published e book. You will not really feel monotony at any moment of the time (that's what catalogues are for regarding should you check with me).

-- Izabella Little

Just no words to spell out. it absolutely was written quite flawlessly and useful. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Dr. Clint Reichel I

Related Books



[History of the Town of Sutton Massachusetts from 1704 to 1876](#)

Createspace, United States, 2015. Paperback. Book Condition: New. annotated edition. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.This version of the History of the Town of Sutton Massachusetts from 1704 to 1876 is a labor...



[The Diary of a Goose Girl \(Illustrated Edition\) \(Dodo Press\)](#)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. Claude A Shepperson (illustrator). Illustrated. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator....



[The Story of Patsy \(Illustrated Edition\) \(Dodo Press\)](#)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. Illustrated. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in...



[To Thine Own Self](#)

Dog Ear Publishing, United States, 2011. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Carefree and self assured Carolyn loves her life. Her uncle runs the day-to-day details of her company leaving...



[Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: \(Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures\)](#)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Getting Your FREE Bonus Download this book, read it to the end and see BONUS: Your FREE Gift chapter after...



[31 Moralistic Motivational Bedtime Short Stories for Kids: 1 Story Daily on Bedtime for 30 Days Which Are Full of Morals, Motivations Inspirations](#)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Reading to children is a wonderful activity and past time that both parents and teachers enjoy. Seeing their rapt, excited...