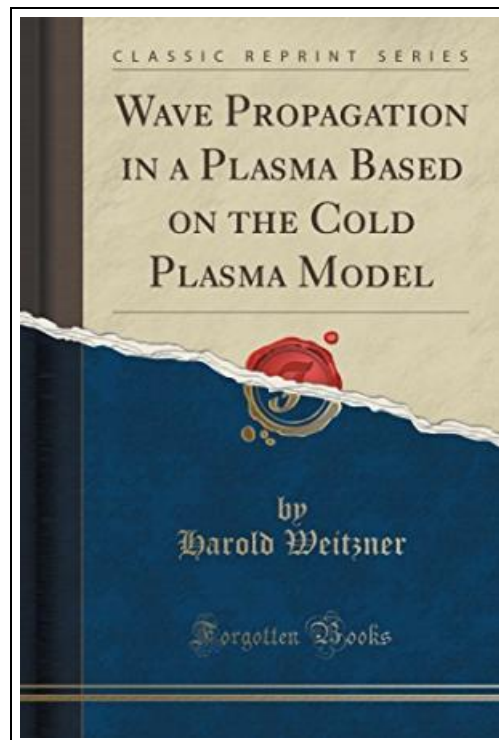


Wave Propagation in a Plasma Based on the Cold Plasma Model (Classic Reprint) (Paperback)



Filesize: 8.34 MB

Reviews

This ebook is really gripping and interesting. It is among the most remarkable pdf we have study. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Cleve Bogan)

WAVE PROPAGATION IN A PLASMA BASED ON THE COLD PLASMA MODEL (CLASSIC REPRINT) (PAPERBACK)

[DOWNLOAD](#)

Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Wave Propagation in a Plasma Based on the Cold Plasma Model The study of wave propagation originated decades ago with the examination of radio wave propagation in the ionosphere. Once the cold plasma conductivity tensor is developed, the problem reduces to a study of Maxwell's equations with the specified conductivity tensor. By far, the bulk of the work done in this field has been based on geometric optics or plane stratified medium approximations. Neither of these approximations is particularly valid in many typical laboratory plasma applications at moderately low frequencies and moderately long wavelengths. Additionally, the appearance of resonances and the associated plasma heating brings into question the relevance of the simple cold plasma model. Here, we intend to examine fairly generally the consequences of the cold plasma model for wave propagation problems. We intend to compare the situation in a plasma with the better known problems of scattering of waves in electromagnetic theory or in quantum mechanics. Our attack on this problem is based on an examination of the system of partial differential equations that defines the wave propagation problem. We will not be able to give definitive answers to many of the questions we raise, as the problems appear far beyond current knowledge. We will show that waves in plasmas behave, in many cases, quite unlike the much simpler version of waves in ordinary electromagnetic theory or in quantum mechanics. We believe that the questions we raise must be addressed directly to obtain reliable, quantitative measures of ion cyclotron or lower hybrid wave heating and model patterns in a plasma device. Any direct numerical calculations face immediately the problems posed here. About the Publisher Forgotten Books publishes hundreds...



[Read Wave Propagation in a Plasma Based on the Cold Plasma Model \(Classic Reprint\) \(Paperback\) Online](#)
[Download PDF Wave Propagation in a Plasma Based on the Cold Plasma Model \(Classic Reprint\) \(Paperback\)](#)

Other Books



The Day Lion Learned to Not Be a Bully: Aka the Lion and the Mouse

Createspace, United States, 2013. Paperback. Book Condition: New. Large Print. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.The beloved Classic tale The Lion and the Mouse gets the...

[Read ePub »](#)



On the Go with Baby A Stress Free Guide to Getting Across Town or Around the World by Ericka Lutz 2002 Paperback

Book Condition: Brand New. Book Condition: Brand New.

[Read ePub »](#)



Comic eBook: Hilarious Book for Kids Age 5-8: Dog Farts Dog Fart Super-Hero Style (Fart Book: Fart Freestyle Sounds on the Highest New Yorker Skyscraper Tops Beyond)

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.BONUS - Includes FREE Dog Farts Audio Book for Kids Inside! For a...

[Read ePub »](#)



Molly on the Shore, BFMS 1 Study score

Petrucchi Library Press. Paperback. Book Condition: New. Paperback. 26 pages. Dimensions: 9.7in. x 6.9in. x 0.3in. Percy Grainger, like his contemporary Bela Bartok, was intensely interested in folk music and became a member of the English...

[Read ePub »](#)



Slavonic Rhapsody in A-Flat Major, B.86.3: Study Score

Petrucchi Library Press, United States, 2015. Paperback. Book Condition: New. 297 x 210 mm. Language: English . Brand New Book ***** Print on Demand *****.Dvorak's final Slovanske rapsodie was composed from around September 20...

[Read ePub »](#)