



Propagation of Magnetohydrodynamic Waves Without Radial Attenuation: January 15, 1959 (Classic Reprint) (Paperback)

By Harold Grad

Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Propagation of Magnetohydrodynamic Waves Without Radial Attenuation: January 15, 1959 Since this system of equations is hyperbolic, its solutions can be described in terms of the propagation of waves. As in the case of the ordinary wave equation, one can investigate a simplified problem, viz. The propagation of wave fronts and, associated with this, one can construct a theory of ray optics. An important point to realize is that the first order (hamilton-jacobi) partial differential equation which governs the behaviour of wave fronts does not describe the entire content of the second order wave equations. In particular, there may be a complicated non-steady flow left behind a wave front propagating into still air, and this residue can only be analyzed by the use of the full wave equation. The situation is more complicated in the magnetohydrodynamic case where there are, in general. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work,...



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