



Asymptotic Expansions of Solutions of (+ K)U=0 (Classic Reprint)

By F G Friedlander

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Asymptotic Expansions of Solutions of (+ K)u=0 In many of the diffraction problems which arise in electromagnetic theory, acoustics and other fields it is necessary to determine the behavior as k -> (k = 2n/, where is the wavelength) of solutions of the reduced wave equation (1) (v + k)u = 0. This behavior is usually determined by obtaining exact solutions and expanding them asymptotically in k. If it were possible to obtain the asymptotic expansion of a solution directly from (I) and the other conditions of the problem it might be possible to obtain such expansions in problems for which the exact solutions are not known. It might also be easier to proceed in this way even in problems for which the exact solutions are known. A direct method for constructing the first term in the expansion of a periodic electromagnetic field was devised by R. K. Luneburg, and this method was extended by M. Kline to yield further terms in the expansion and also extended to other equations. This expansion...



Reviews

Unquestionably, this is actually the greatest function by any author. I was able to comprehended every little thing using this created e ebook. Its been printed in an remarkably straightforward way which is merely following i finished reading this ebook in which in fact altered me, alter the way i think.

-- Arianna Witting

An exceptional book as well as the font used was exciting to read. It is actually rally intriguing through reading time. You will not sense monotony at anytime of the time (that's what catalogues are for about when you ask me).

-- Crystel Hagenes