

Abstract

Asymptotic Methods and Electromagnetism

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Received: Sat, 30 Mar 2002 09:51:45

We give some examples of asymptotic methods with applications to singular perturbations in electromagnetism for the scattering of a plane wave by a body with high index (without homogenization). A rigorous approach of Leontovitch results with order 0 and 1 accurate error estimates.

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Filename: Artola

Last document update: Wed Jul 10 08:15:31 MDT 2002