

Field Representations and Introduction to Scattering

Field Representations and Introduction to Scattering; Vol. 1, Acoustic, Electromagnetic, and Elastic Wave Scattering

V. Varadan, A. Lakhtakia and V.K. Varadan, Editors

BK020105

Borth Holland, P.O. Box 1991, 1000BZ Amsterdam, The Netherlands

xv + 355 pp., hardcover, USD 134.50

This book is a treatment of the general theory of scattering for both scalar and vector fields. A general introduction to the properties of acoustic fields is given, and boundary conditions are discussed. Integral representations and integral equations for harmonic fields are discussed and the properties of scattered fields are discussed; in general and by spheres and cylinders. The book is mathematical with a good deal of formalism related to the general theory of scattering.