

Canonical Problems in Scattering and Potential Theory - Two volume set

Although the analysis of scattering for closed bodies of simple geometric shape is well developed, structures with edges, cavities, or inclusions have seemed, until now, intractable to analytical methods. This two-volume set describes a breakthrough in analytical techniques for accurately determining diffraction from classes of canonical scatterers with comprising edges and other complex cavity features. It is an authoritative account of mathematical developments over the last two decades that provides benchmarks against which solutions obtained by numerical methods can be verified. The first volume, Canonical Structures in Potential Theory, develops the mathematics, solving mixed boundary potential problems for structures with cavities and edges. The second volume, Acoustic and Electromagnetic Diffraction by Canonical Structures, examines the diffraction of acoustic and electromagnetic waves from several classes of open structures with edges or cavities. Together these volumes present an authoritative and unified treatment of potential theory and diffraction-the first complete description quantifying the scattering mechanisms in complex structures.

235,16 €

219,78 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781584881643

Medium: Buch

ISBN: 978-1-58488-164-3

Verlag: Taylor & Francis

Erscheinungstermin: 26.04.2002

Sprache(n): Englisch

Auflage: 1. Auflage 2002

Serie: Monographs and Surveys in
Pure and Applied Mathematics

Produktform: Gebunden

Gewicht: 1837 g

Seiten: 912

Format (B x H): 210 x 280 mm

