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Nota di contenuto	Multiple scattering of waves by correlated distributions -- The S-matrix and sonar echo structure -- Some applications of functional analysis in classical scattering -- Numerical methods for Helmholtz-type equations in unbounded regions -- The role of surface waves in scattering processes of nuclear physics and acoustics -- Topics in radar scattering theory -- Coherent scattering from rough surfaces -- Application of a technique of Franklin and Friedman to some problems in acoustics -- High-frequency signal propagation and scattering in guiding channels -- Scattering by moving bodies: The Quasi-Stationary approximation -- Variational methods for wave scattering from random systems -- Resonance theory and application -- Application of elastodynamic ray theory to diffraction by cracks: Theory and experiment -- Scattering of acoustic waves by elastic and viscoelastic obstacle of arbitrary shaped immersed in water -- Multipole resonances in elastic wave-scattering from cavities and in acoustic wave-scattering from bubbles and droplets -- Scattering theory in the mixed representation -- Green and lanford revisited -- A two-Hilbert-

space formulation of multi-channel scattering theory -- Mathematical questions of quantum mechanics of many-body systems -- Scattering from point interactions -- Two problems with time-dependent Hamiltonians -- Translation invariance of N-particle Schrodinger operators in homogeneous magnetic fields -- Wave operators for multi-channel long-range scattering -- Asymptotic completeness in classical three-body scattering -- Canonical scattering theory for relativistic particles -- Consistent models of spin 0 and 1/2 extended particles scattering in external fields -- Curved-space scattering -- Levinson's theorems and the quantum-mechanical partition function for plasmas -- A cluster expansion and effective-potential representation of the three-body problem -- Quantum-statistical mechanics and scattering theory on homogeneous spaces of finite volume -- What do we know about the geometric nature of equations which can be solved using the inverse scattering technique? -- Solitons, solutions of nonlinear evolution equations, and the inverse scattering transform -- Determining the final profiles from the initial profiles for the full three-dimensional three-wave resonant interaction -- Ordinary differential equations of painleve-type and the inverse scattering transform -- Exact solutions for the three-dimensional schrödinger equation with quasi-local potentials obtained from a three-dimensional Gel'fand-Levitan equation. Examples of totally reflectionless scattering -- The Jost-Kohn algorithm for inverse scattering -- Application of nonlinear techniques to the inverse problem -- N-dimensional fast fourier transform tomography for incomplete information and its application to inverse scattering theory -- Two acoustical inverse problems in speech and hearing -- Development of physical optics inverse scattering techniques using radon projection theory -- An iterative procedure for solving inverse scattering problems arising from active remote sensing -- One-dimensional velocity inversion for acoustic waves: Numerical results -- Inverse scattering theory: Exact and approximate solutions -- Functional equation of inverse scattering for the schrödinger equation with continuous and discrete spectra (short note).
