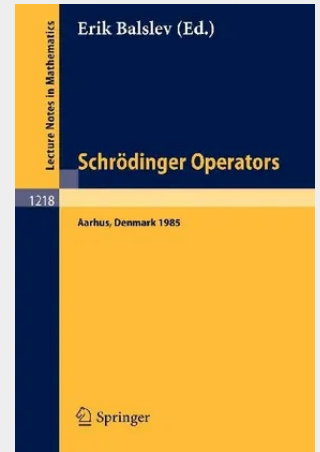


Schrödinger Operators, Aarhus 1985

Lectures given in Aarhus, October 2-4, 1985

The Schrödinger operator for a particle in a solid with deterministic and stochastic point interactions.- Wave operators for dilation-analytic three-body hamiltonians.- to asymptotic observables for multiparticle quantum scattering.- Scattering theory for one-dimensional systems with nontrivial spatial asymptotics.- Classical limit and canonical perturbation theory.- Trace estimates for exterior boundary problems associated with the Schrödinger operator.- Commutator methods and asymptotic completeness for one - dimensional Stark effect Hamiltonians.- Lorentz invariant quantum theory.- A characterization of dilation-analytic operators.- Asymptotic and approximate formulas in the inverse scattering problem for the Schrödinger operator.- γ -decay and the exponential law.

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