

# Hilbert Space Operators In Quantum Physics

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Preface.- Some Notions from Functional Analysis.- Hilbert Spaces.- Bounded Operators.- Unbounded Operators.- Spectral Theory.- Operator Sets and Algebras.- States and Observables.- Position and Momentum.- Time Evolution.- Symmetries of Quantum Systems.- Composite Systems.- The Second Quantization.- Axiomatization of Quantum Theory.- Schroedinger Operators.- Scattering Theory.- Quantum Waveguides.- Quantum Graphs.- Appendix A: Measure and Integration.- Appendix B: Some Algebraic Notions.- References.- List of Symbols.- Index. EAN/ISBN : 9781402088704 Publisher(s): Springer Netherlands Discussed keywords: Hilbert-Rume, Quantenphysik Format: ePub/PDF Author(s): Blank, Jiri - Exner, Pavel - Havlicek, Miloslav

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