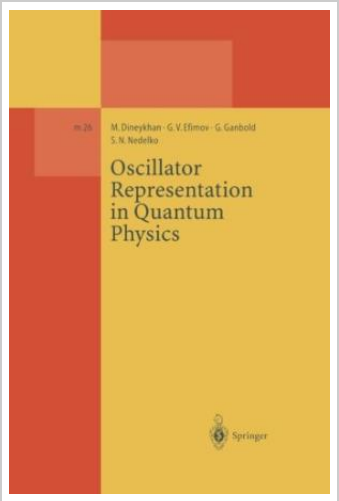

Oscillator Representation in Quantum Physics

By M. Dineykhan

Springer-Verlag Gmbh Apr 2014, 2014. Taschenbuch. Condition: Neu. Neuware - The investigation ofmost problems of quantum physics leads to the solution of the Schrodinger equation with an appropriate interaction Hamiltonian or potential. However, the exact solutions are known for rather a restricted set of potentials, so that the standard eternal problem that faces us is to find the best effective approximation to the exact solution of the Schrodinger equation under consideration. In the most general form, this problem can be formulated as follows. Let a total Hamiltonian H describing a relativistic (quantum field theory) or a nonrelativistic (quantum mechanics) system be given. Our problem is to solve the Schrodinger equation Hlft = Enlftn, n i. e. , to find the energy spectrum and the proper wave functions n including the'ground state or vacuum lft = 10). The main idea of any ap o proximation technique is to find a decomposition in such a way that Ha describes our physical system in the 'closest to H' manner, and the Schrodinger equation HolJt. (O) = E(O)lJt. (O) n n n can be solved exactly. The interaction Hamiltonian HI is supposed to give small corrections to the zero approximation which can be calculated....

Reviews

I actually started out looking at this book. It really is rally interesting throgh studying time period. I am just happy to inform you that here is the greatest ebook i have read through within my personal daily life and could be he best book for possibly.

-- ***Miss Myrtice Heller***

This is an amazing publication i actually have at any time go through. It is actually rally interesting throgh reading through period. Its been developed in an exceptionally straightforward way which is merely following i finished reading through this publication where actually altered me, modify the way in my opinion.

-- ***Noah Padberg***