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Nota di contenuto	pt. 1. Basis required for quantum oscillator studies -- pt. 2. Single quantum harmonic oscillators -- pt. 3. Anharmonicity -- pt. 4. Oscillator populations in thermal equilibrium -- pt. 5. Quantum normal modes of vibration -- pt. 6. Damped harmonic oscillators -- pt. 7. Vibrational spectroscopy.
Sommario/riassunto	"Quantum Oscillators is a valuable source of information and an excellent supplementary text in courses on spectroscopy of hydrogen-bonded systems, one of the unsolved problems of science. This reference provides a reasonable and accessible entrance to the difficult subject of nonequilibrium quantum mechanics and is a timely update of classical works while, at the same time, providing a comprehensive treatment of hydrogen bonding. Also included is an appendix that summarizes mathematical concepts needed to understand the basis of the theory"-- "The book is divided into four parts. The first part is devoted to the concepts of quantum mechanics the knowledge of which is necessary

for a good understanding of the dynamics of quantum oscillator which may be damped, and deals with time independent quantum mechanics and time dependent quantum mechanics"--
