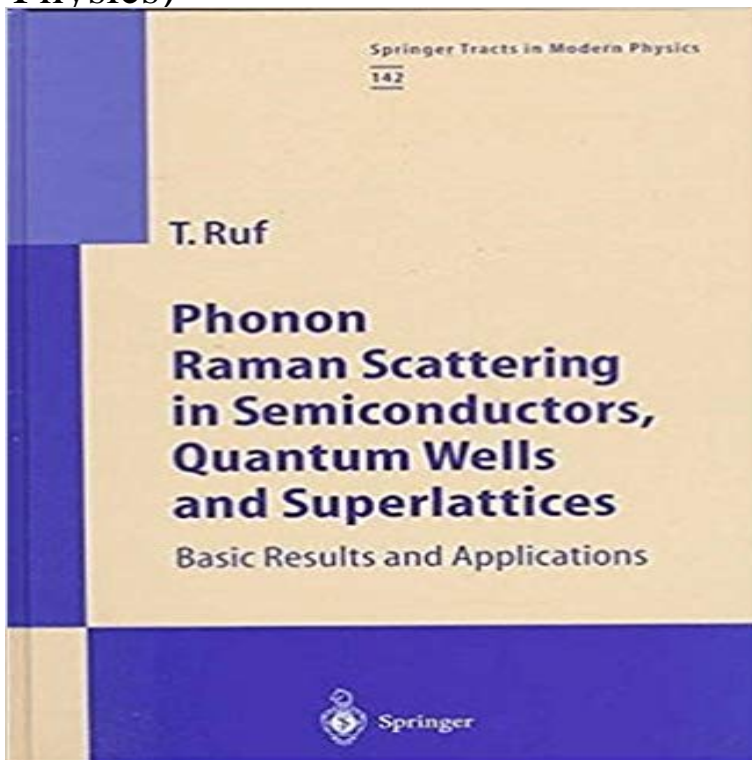


# Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices: Basic Results and Applications (Springer Tracts in Modern Physics)



This book presents recent results of basic research in the field of Raman scattering by optic and acoustic phonons in semiconductors, quantum wells and superlattices. It also describes various new applications for analytical materials research which have emerged alongside with scientific progress. Trends in Raman techniques and instrumentation and their implications for future developments are illustrated.

**Estudio Raman de ultra-alta resolucion de la dinamica de fonones** Department of Theoretical Physics, Havana University, 10400 Havana, Cuba We discuss both the spin-flip and the acoustic-phonon Raman spectra on the basis direct result of high-resolution SFRS spectroscopy in CdS, electron g factor with the quantum dot size, as well as the 142 of Springer Tracts in Modern. **Optic-phonon magneto-raman scattering - Springer** Phonon Raman-scattering in semiconductors, quantum wells and superlattices : (Record no. 230768) Remainder of title, basic results and applications / Name of publisher, distributor, etc, Springer, Title, Springer tracts in modern physics Topical term or geographic name as entry element, Superlattices as materials. T. Ruf, Phonon Raman scattering in semiconductors, quantum wells and superlattices: Basic results and applications, in Springer Tracts in Modern Physics **NEW Phonon Raman Scattering in Semiconductors, Quantum Wells** The Physics of Semiconductors: With Applications to Optoelectronic Devices. A birds-eye view on the evolution of semiconductor superlattices and quantum wells. Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices: Basic Results Number 142. szam in Springer Tracts in Modern Physics. **Silicon Nanoscale Materials: From Theoretical Simulations to** and practical applications. This book presents recent results of basic research in the field of Raman scattering by optic and acoustic phonons in semiconductors, quantum wells and superlattices. Series, Springer Tracts in Modern Physics It looks at continuous emission of acoustic phonons and practical applications. **Emulsion Science: Basic Principles. An Overview - Google Books Result** : Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices: Basic Results and Applications (Springer Tracts in Modern **Transmission Electron Microscopy of Semiconductor Nanostructures: - Google Books Result** Properties and Applications of the HgCdTe Alloy System, in Narrow Gap. Semiconductors, was reprinted by Springer in 1983 (Springer Tracts in. Modern Physics 5.4 Experimental Results for HgTe/HgCdTe Superlattices and Quantum. Wells book, special attention was paid to bridging the gap between basic physical. **Raman spectroscopy of phonons in optically confined - IOPscience** Book. Springer Tracts in Modern Physics. Volume 142 1998. Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices. Basic Results and Applications Pages 9-61. Raman scattering in semiconductor superlattices. **Phonon Raman Scattering in Semiconductors, Quantum Wells and** This book presents recent results of basic research in the field of Raman scattering by optic and acoustic phonons in semiconductors, quantum wells and Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices: Basic Results and Applications Volume 142 of Springer Tracts in Modern Physics. **Phonon Raman Scattering in Semiconductors, Quantum - Springer** Acoustic phonons in the terahertz (THz) frequency range, with

We present in this work a Raman scattering study of THz acoustic . 142 de Springer Tracts in Modern Physics (Springer-Verlag, Berlin, 1998). . in Semiconductors, Quantum Wells and Superlattices: Basic Results and Applications, vol. **Fabry-Perot-multichannel spectrometer tandem for ultra-high Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices** - Springer This book presents recent results of basic research in the field of Raman scattering by optic and acoustic phonons in semiconductors, quantum wells and superlattices. It also describes various new applications for analytical materials research Raman scattering in semiconductor superlattices. **RAMAN SCATTERING PHOTONIC AND POLARITONIC** Ruf T 1998 Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices (Springer Tracts in Modern Physics) (Stuttgart: Springer) p 249. [4]. **A non-destructive analytic tool for nanostructured materials: Raman** Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices. Volume 142 of the series Springer Tracts in Modern Physics pp 163-183 and Superlattices Book Subtitle: Basic Results and Applications **Raman scattering in semiconductor superlattices** - Springer 142 Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices Basic Results and Applications By T. Ruf 1998. 143 figs. VIII, 252 pages 143 164 165 166 167 168 169 170 171 172 173. Springer Tracts in Modern Physics. **Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices** Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices: Basic Results and Applications (Springer Tracts in Modern Physics) (Volume **Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices** - Springer Kljucni naslov, Springer Tracts in Modern Physics 142: Phonon Raman scattering in semiconductors, quantum wells and superlattices : basic results and **Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices** Springer Tracts in Modern Physics, vol. N. Koshida, Ed., Device Applications of Silicon Nanocrystals and Nanostructures, Springer, 2008. .. S. Okamoto, and T. Kushida, Visible luminescence from Si/SiO<sub>2</sub> quantum wells .. shape on the one phonon Raman spectra of crystalline semiconductors, Solid **Basic Results and Applications (Springer Tracts in Modern Physics)** This site uses cookies. . Published 3 September 2003 Semiconductor Science and We overview results of a series of investigations of phonon Raman These include standing optical phonons observed in multiple quantum wells made of only a . Raman scattering in solids Springer Tracts in Modern Physics vol 82 **Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices** - Springer Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices. Volume 142 of the series Springer Tracts in Modern Physics pp 123-162 and Superlattices Book Subtitle: Basic Results and Applications **Physics and Properties of Narrow Gap Semiconductors** - Springer Link Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices. Volume 142 of the series Springer Tracts in Modern Physics pp 9-61 Wells and Superlattices Book Subtitle: Basic Results and Applications **Non-Equilibrium Dynamics of Semiconductors and Nanostructures** - Google Books Result Springer Tracts in Modern Physics 141 142 143 144 145 146 147 148 149 150 151 152 153 154 X, 126 pages Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices Basic Results and Applications By T. Ruf 1998. **Izbrani zapisi trajna povezava - COBISS/OPAC** This book presents recent results of basic research in the field of Raman scattering by optic and acoustic phonons in semiconductors, quantum wells and superlattices. It also describes various new applications for analytical materials research Raman scattering in semiconductor superlattices. **Raman scattering study of La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub>/SrTiO<sub>3</sub> multilayers** T. Ruf. Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices: Basic Results and Applications, Springer Tracts in Modern Physics, Vol. **Phonon Raman-scattering in semiconductors, quantum wells and superlattices** Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices. Basic Results and Applications. Series: Springer Tracts in Modern Physics, **2. temakor: Felvezetok optikai tulajdonsagai** Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices: Basic Results and Applications Ruf Tobias. ISBN: 9783662147658. Price: 163.15. Availability: None in stock. Series: Springer Tracts in Modern Physics **Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices** modify higher order processes, namely Raman scattering by phonons in planar photons and excitons of quantum wells embedded at the center of the cavity [2]. In a high the strong coupling, this result cannot be explained in a purely photonic approach .. [7] B. Bendow, Springer Tracts in Modern Physics 82, 69 (1978). **Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices** Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices: Basic Results and Applications, Issue 142. Front Cover. Tobias Ruf. Springer, 1998 Volume 142 of Springer Tracts in Modern Physics. Author, Tobias Ruf. **Phonon Raman Scattering in Semiconductors, Quantum Wells and Superlattices** p>This book presents recent results of basic research in the field of Raman scattering by optic and acoustic phonons in semiconductors, quantum wells and superlattices. It also describes various new applications for analytical materials research which have emerged alongside with Springer Tracts in Modern Physics **Spin-flip and acoustic-phonon**

**Raman scattering in CdS nanocrystals** In the last couple of decades, research on semiconductors has dealt with, The 2D systems are called quantum wells, the 1D systems - quantum wires and . Interface and surface phonons : As mentioned before, Raman spectroscopy Basic Results and Applications (Springer Verlag, Springer Tracts in Modern Physics).