



Nanotechnology and Nanoelectronics (Hardback)

By D. P. Kothari, V. Velmurugan, Rajit Ram Singh

Alpha Science International Ltd, United Kingdom, 2018. Hardback. Condition: New. Language: English . Brand New Book. NANOTECHNOLOGY AND NANO ELECTRONICS provides a good understanding of the Surface to volume ratio and its effects in the properties associated with nanostructures. Quantum Mechanics being a fundamental aspect related to nanoelectronics, the text books provides enough material for the same. The difference between classical and quantum mechanical theories are also explained in a lucid manner. Since tunnelling is the concept to be understood well, one full chapter is dedicated to this. It is dealt by having examples in different potential barrier problems. The transport Phenomenon in Nanostructures and the fundamental building block of nanoelectronic devices-Single-Electron Transistor is dealt in detail. The mathematical modelling will help readers understand and run their own simulation programs.

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