

emphasis on electronic transport theory. They have contributed pioneering papers on phonons in low-dimensional semiconductor structures, and this background is reflected in this book's extensive coverage of lattice vibrations in semiconductor heterostructures. This topic is not usually covered at this level of detail in other texts. Even though the authors do not make this point themselves, their treatment of phonons might prove to be of particular importance to researchers trying to find a solid-state implementation in the field of quantum computing, since lattice vibrations are the main roadblock to maintaining the desired coherence of the electronic states.

This book will be most useful to the physicist who has an interest in learning about nanoelectronics and quantum devices and who may contemplate joining the ranks of researchers in nanostructure physics and technology. It will also be of interest to the practicing professional in the field of microelectronics and optoelectronics. This book contains homework problems and is suitable as a textbook at the graduate (perhaps also advanced undergraduate) level.

In summary, this book provides a thorough introduction to the physical principles of nanostructures and their device applications. It should serve as a useful starting point for those individuals wanting to learn about the current thinking and the state of the art in nanoelectronics.

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Correction

The affiliation of Lazaros Oreopoulos and Steven Platnick, reviewers of Thomas and Stamnes's *Radiative Transfer in the Atmosphere and Ocean* in the November 2000 issue of PHYSICS TODAY (page 57), should have been given as the University of Maryland, Baltimore County, Baltimore, Maryland. The third sentence in the third paragraph of the review should have read, "These discussions are not intended as a substitute for detailed descriptions. . . ."

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