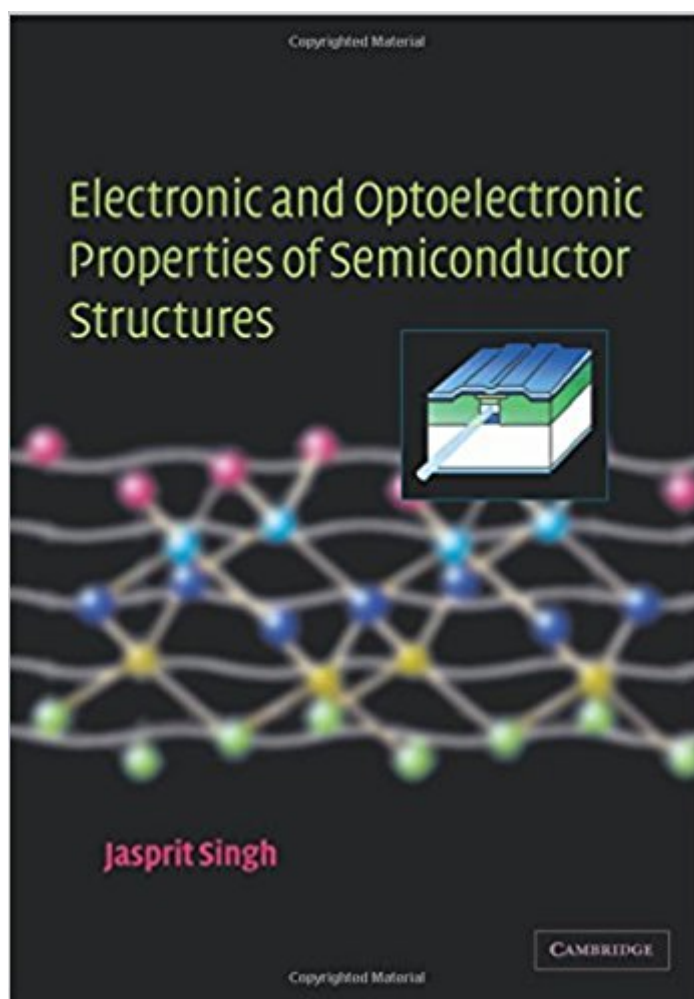


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# Electronic And Optoelectronic Properties Of Semiconductor Structures



## Synopsis

Jasprit Singh presents the underlying physics behind devices that drive today's technologies, utilizing carefully chosen solved examples to convey important concepts. Real-world applications are highlighted throughout the book, stressing the links between physical principles and actual devices. The volume provides engineering and physics students and professionals with complete coverage of key modern semiconductor concepts. A solutions manual and set of viewgraphs for use in lectures is available for instructors, from [solutions@cambridge.org](mailto:solutions@cambridge.org).

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"Professor Singh has produced another excellent volume that will be a valuable source for both new entrants and the established in the field of optoelectronic semiconductor structures." IEEE Circuits and Devices Magazine  
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In this graduate textbook, Jasprit Singh presents the underlying physics behind devices that drive today's technologies. The book utilizes carefully chosen solved examples to convey important concepts and has over 250 figures and 200 homework exercises. Real-world applications are highlighted throughout the book, stressing the links between physical principles and actual devices. It provides engineering and physics students and practitioners with complete and coherent coverage of key modern semiconductor concepts. A solutions manual and set of viewgraphs for use

in lectures is available for instructors, from [solutions@cambridge.org](mailto:solutions@cambridge.org).

This is a helpful reference of properties of semiconductors the nomenclature follows that of other books by Singh. Hence this is very helpful for those who are already familiar with Singh's writings.

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