



Fundamentals of Semiconductors: Physics and Materials Properties (Graduate Texts in Physics)

Peter Y Yu, Manuel Cardona

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Since the appearance of our book, *Fundamentals of Semiconductors: Physics and Materials Properties*, one of the questions we are asked most frequently is this: is there a solution manual to this book? In preparing the questions at the end of each chapter we have already tried to guide the readers to derive the answers by themselves using a step-by-step approach. Clearly this strategy did not work for everyone. We recognize that many of the questions in this book are quite challenging and often require reading of research papers to solve them. In response to readers demand we have decided to provide solutions to some of the problems in this new edition. Since working through problems is an important and necessary part of the learning process in physics we will not give the solutions to all the problems. Instead, we hope to use the solutions to a number of selected problems in each chapter as an additional study help to the readers. We like to use these solutions to provide more in depth discussions to topics which may be too specialized for a typical course on semiconductor physics. By leaving enough unsolved problems and adding a few new ones there are still plenty of opportunities for both the instructors to choose problems for assignments and for students to test their understanding of the text."

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