

Principles Of Semiconductor Devices And Heterojunctions By Bart Van Zeghbroeck

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Principles of Semiconductor Devices Chapter 1: Review of Modern Physics 1.1 Introduction The fundamentals of semiconductors are typically found in textbooks discussing quantum mechanics, electro-magnetics, solid-state physics and statistical thermodynamics. The purpose of this chapter is to review the physical concepts,

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Description. Ideal for undergraduate and beginning graduate students in electrical engineering, Understanding Semiconductor Devices provides a solid grounding in both fundamental principles and practical skills. The text features intuitive explanations and a motivating "electronics-to-physics" approach that progresses from basic to more abstract concepts.

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