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An Introduction To Semiconductor Devices

An Introduction to Semiconductor Devices by Donald Neamen provides an understanding of the characteristics, operations and limitations of semiconductor devices. In order to provide this understanding, the book brings together the fundamental physics of the semiconductor material and the semiconductor device physics.

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An Introduction to Semiconductor Devices by Donald A. Neamen

What is a semiconductor? Integrated circuits (ICs) made from a semiconductor material (such as silicon) are essential parts of modern electronic devices across commercial and consumer industries. These circuits must have the ability to behave as an electrically controlled on/off switch (transistor) to perform the foundational logical computations in a computer.

Introduction to Semiconductors | AMD

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Semiconductor - Wikipedia

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