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### Semiconductor Device Modeling With Spice

Semiconductor Device Modeling With SPICE. Giuseppe Massobrio. Department of Electronics (DIBE) University of Genova Genova, Italy. Paolo Antognetti. Department of Electronics (DIBE) University of Genova Genova, Italy. Second Edition McGraw-Hill, Inc.

### Semiconductor Device Modeling With SPICE

Semiconductor Device Modeling with Spice. From the Publisher: With all the clarity and hands-on practicality of the best-selling first edition, this revised version explains the ins and outs of SPICE, plus gives new data on modeling advanced devices such as MESFETs, ISFETs, and thyristors.

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Semiconductor device modeling creates models for the behavior of the electrical devices based on fundamental physics, such as the doping profiles of the devices. It may also include the creation of compact models (such as the well known SPICE transistor models), which try to capture the electrical behavior of such devices but do not generally derive them from the underlying physics.

### Semiconductor device modeling - Wikipedia

Parameters in SPICE semiconductor device model The SPICE definitions for the devices appearing in this book are given' 'Semiconductor Device Modeling Wikipedia April 29th, 2018 - Semiconductor Device Modeling Creates Models For The Behavior Of The Electrical Devices Based On Fundamental Physics Such As The Doping

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### Bipolar junction transistor - Wikipedia

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