

Fundamentals of SEMICONDUCTOR FABRICATION



Fundamentals of SEMICONDUCTOR FABRICATION

This concise introduction to semiconductor fabrication technology covers everything professionals need to know, from crystal growth to integrated devices and circuits. Throughout, the authors address both theory and the practical aspects of each major fabrication step, including crystal growth, silicon oxidation, photolithography, etching, diffusion, ion implantation, and thin film deposition.

- The book integrates Computer Modeling & Simulation tools throughout.
- Process simulation is used as a tool for what-if analysis and discussion.
- Comprehensive coverage of process sequences helps readers connect individual steps into a cohesive whole.

About the Authors

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