

## Microelectronic circuits analysis and design

Rashid, Muhammad H., author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20355377&lokasi=lokal>

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### Abstrak

The objectives of the book are to provide an understanding of the characteristics of semiconductor devices and commonly used integrated circuits; to develop skills in analysis and design of both analog and digital circuits; and to familiarize students with various elements of the engineering design process, including formulation of specifications, analysis of alternative solutions, synthesis, decision making, iterations, consideration of cost factors, simulation and tolerance issues