

Table of Contents

Preface	v
Basic Physical Mechanisms J.P. Nougier	1
Epitaxy of Wide Band Gap III-V Materials by MOVPE and MBE M. Heuken	57
Device Simulation C.U. Naldi and G. Ghione	89
Characterisation of Mismatched Epitaxial Layers Grown by Metal-Organic Vapour Phase Epitaxy A. Gustafsson	145
Noise in Devices: Definition, Modelling J.P. Nougier	183
Field Effects Transistors Modeling and Performance Y. Crosnier and G. Salmer	239
Technology for III/V-Semiconductor HFET Devices W. Prost	277
Monolithic Integrated Circuit Modelling M.J. Howes	315
Millimetre-Wave Devices J. Freyer	355
Heterojunction Bipolar Transistors: Technology, Performance and Applications A.J. Holden	401
Optoelectronic and Photonic Integrated Circuits: Modelling and Technology R. Baets and P. Van Daele	439
Author Index	501
Subject Index	503