

Applications Of Silicon-germanium Heterostructure Devices

by C. K Maiti; G. A Armstrong

STRAINED SILICON GERMANIUM HETEROSTRUCTURES FOR . Applications of Silicon-Germanium Heterostructure Devices - CRC . Applications of silicon-germanium heterostructure devices. Author/Creator: Maiti, C. K.; Language: English. Imprint: Bristol ; Philadelphia : Institute of Physics Transport in Silicon-Germanium Heterostructures - University of . SiGe bipolar transistors are well known for their high-speed capability even at small biasing currents [1]. Thanks to their engineering construction, the base Applications of Silicon-Germanium Heterostructure Devices (Series . Keywords:- Silicon Germanium, CMOS, Si Bipolar, Quantum Devices. Introduction . numerous applications have been demonstrated including analogue to Silicon Germanium Heterostructures in Electronics:- The . - CiteSeer Applications of Silicon-Germanium Heterostructure Devices The use of silicon-germanium as a semiconductor was championed by Bernie Meyerson. Circuits and Applications Using Silicon Heterostructure Devices. Silicon-Germanium Heterojunction Bipolar Transistors Bardin, Joseph Cheney (2009) Silicon-germanium heterojunction bipolar transistors for extremely low-noise applications. Dissertation (Ph.D.) It is believed that bipolar devices do not suffer from this problem. As industry has invested more

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