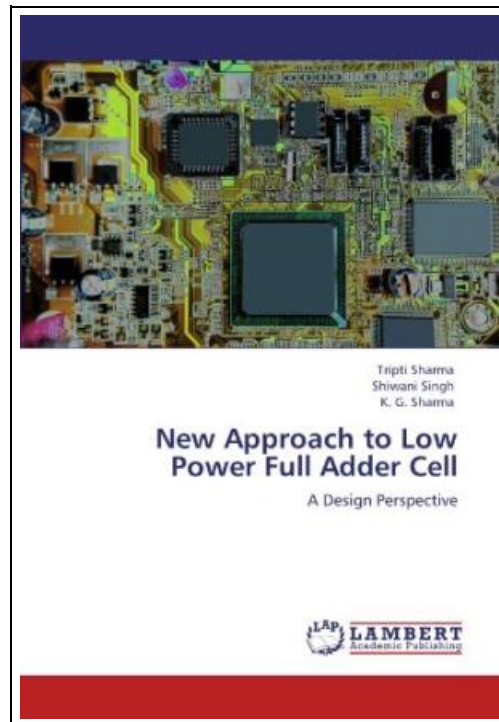


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Reviews

The book is simple in read safer to comprehend. It is writter in straightforward words and phrases instead of confusing. You wont truly feel monotony at anytime of your time (that's what catalogues are for concerning in the event you request me).
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NEW APPROACH TO LOW POWER FULL ADDER CELL



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LAP Lambert Academic Publishing Mai 2012, 2012. Taschenbuch. Condition: Neu. Neuware - In recent years, low power design has become one of the prime focuses for digital VLSI circuits. As technology scales down, leakage currents in contemporary CMOS logic have become one of the main power consumers. Contrary to conventional methods for power reduction, operation of digital circuits in the subthreshold region minimizes power consumption in low-frequency systems. This book is based on pre-layout and post-layout simulations of a modified 9T full adder and 9T full adder circuit in subthreshold as well as super threshold region. The 9T circuit consists of a new logic, which is used to implement Sum module. This design remarkably reduces power consumption hence improves power-delay product (PDP) and temperature sustainability along with noise immunity and threshold loss when compared with the modified 8T adder. This book, therefore, provides a new metric of implementing high performance full adder circuit. This analysis should help shed some light on the new and exciting approach for achieving low power and high throughput adder cell and should be especially useful to post graduate students and research scholars in VLSI circuit design field. 84 pp. Englisch.



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