

Design of High Speed 32-Bit Floating Point FFT Processor using FPGA



Filesize: 1.2 MB

Reviews

This sort of publication is everything and made me seeking forward and much more. Better then never, though i am quite late in start reading this one. I am easily could possibly get a delight of reading through a created pdf.
(Quinton Balistreri)

DESIGN OF HIGH SPEED 32-BIT FLOATING POINT FFT PROCESSOR USING FPGA



LAP Lambert Academic Publishing Mai 2016, 2016. Taschenbuch. Condition: Neu. Neuware - The Discrete Fourier Transform (DFT) is used in a wide variety of Digital Signal Processing applications. The algorithm used to implement this transform requires intensive arithmetic computation as well as complex control and sequence functions. The designer of VLSI components is faced with problem of identifying requirements and architectures for FFT algorithm which directly support the DFT. Design goals of this book includes 32-bit floating point FFT calculation in IEEE 754 single Precision number format with very high speed. This book focuses on design, simulation, synthesis and implementation of 32-bit Floating point FFT algorithm in Radix 2 DIT form implemented on virtex II pro FPGA. FPGAs as programmable hardware devices are particularly suitable to encompass both high processing speeds and flexibility to meet the quickly changing DSP designs. Particularly, this book has revealed that the FFT algorithm for DSP-based systems can be efficiently implemented by using Virtex II Pro FPGA with a high speed. 64 pp. Englisch.



[Read Design of High Speed 32-Bit Floating Point FFT Processor using FPGA Online](#)



[Download PDF Design of High Speed 32-Bit Floating Point FFT Processor using FPGA](#)

Other eBooks



Design and Development of Low Cost Adsorbents

LAP Lambert Academic Publishing Nov 2013, 2013. Taschenbuch. Condition: Neu. Neuware - Clean and pure water is one of the implicit requisites for a healthy human population. However the growing industrialization and extensive use of...

[Download](#) [ePub](#)

»



Arsenic Removal Technologies from ground water

LAP Lambert Academic Publishing Jan 2013, 2013. Taschenbuch. Condition: Neu. Neuware - Ground water is one of the main sources of drinking water especially in rural areas of India. Groundwater is generally regarded as safe to...

[Download](#) [ePub](#)

»



Game Theory : A Very Short Introduction

Oxford University Press Nov 2007, 2007. Taschenbuch. Condition: Neu. Neuware - Games are everywhere: Drivers manoeuvring in heavy traffic are playing a driving game. Bargain hunters bidding on eBay are playing an auctioning game. A...

[Download](#) [ePub](#)

»



Modeling of Evanescent wave Optical Fiber Biosensor

LAP Lambert Acad. Publ. Mrz 2011, 2011. Taschenbuch. Condition: Neu. Neuware - Biomedical electronics and instruments, equipment, diagnostic & detection tools success based on the success of high sensitive biosensors invention and development. Biosensors are...

[Download](#) [ePub](#)

»



Intermediate Accounting (IFRS) Volume 1

LAP Lambert Academic Publishing Nov 2018, 2018. Taschenbuch. Condition: Neu. Neuware - This book focuses on the second stage of financial accounting, which is the intermediate accounting. The first part deals with the problems and...

[Download](#) [ePub](#)

»