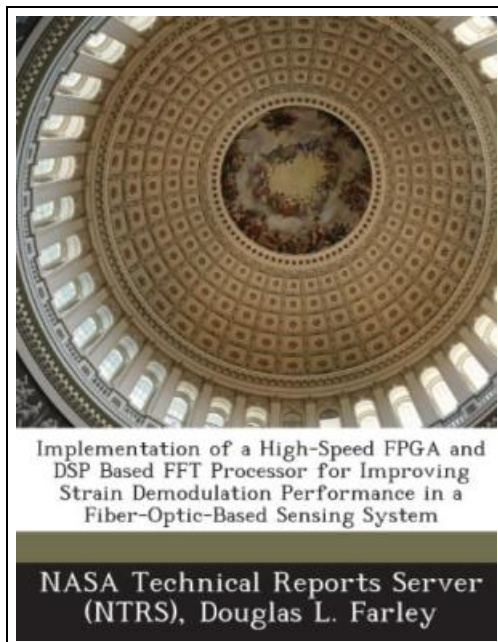


Implementation of a High-Speed FPGA and DSP Based FFT Processor for Improving Strain Demodulation Performance in a Fiber-Optic-Based Sensing System



Filesize: 2.95 MB

Reviews

Very useful to all of class of people. It is really simplified but unexpected situations within the 50 % in the ebook. I am delighted to let you know that this is actually the best book i have read in my personal daily life and can be he finest ebook for at any time.

(Gwen Schultz)

IMPLEMENTATION OF A HIGH-SPEED FPGA AND DSP BASED FFT PROCESSOR FOR IMPROVING STRAIN DEMODULATION PERFORMANCE IN A FIBER-OPTIC-BASED SENSING SYSTEM

[DOWNLOAD](#)

Bibliogov, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.NASA's Aviation Safety and Security Program is pursuing research in on-board Structural Health Management (SHM) technologies for purposes of reducing or eliminating aircraft accidents due to system and component failures. Under this program, NASA Langley Research Center (LaRC) is developing a strain-based structural health-monitoring concept that incorporates a fiber optic-based measuring system for acquiring strain values. This fiber optic-based measuring system provides for the distribution of thousands of strain sensors embedded in a network of fiber optic cables. The resolution of strain value at each discrete sensor point requires a computationally demanding data reduction software process that, when hosted on a conventional processor, is not suitable for near real-time measurement. This report describes the development and integration of an alternative computing environment using dedicated computing hardware for performing the data reduction. Performance comparison between the existing and the hardware-based system is presented.



[Read Implementation of a High-Speed FPGA and DSP Based FFT Processor for Improving Strain Demodulation Performance in a Fiber-Optic-Based Sensing System Online](#)



[Download PDF Implementation of a High-Speed FPGA and DSP Based FFT Processor for Improving Strain Demodulation Performance in a Fiber-Optic-Based Sensing System](#)

Related eBooks



Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.

[Read Book »](#)



Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.

[Read Book »](#)



Words and Rhymes for Kids: A Fun Teaching Tool for High Frequency Words and Word Families

AUTHORHOUSE, United States, 2009. Paperback. Book Condition: New. 279 x 211 mm. Language: English . Brand New Book ***** Print on Demand *****.This book is designed to make learning fun for children in kindergarten through...

[Read Book »](#)



Abc Guide to Fit Kids: A Companion for Parents and Families

Murdoch Books, 2007. Paperback. Book Condition: New. Brand new books and maps available immediately from a reputable and well rated UK bookseller - not sent from the USA; despatched promptly and reliably worldwide by Royal...

[Read Book »](#)



A Magician Never Tells and Elephant Bones: 2

Hachette Children's Group. Paperback. Book Condition: new. BRAND NEW, A Magician Never Tells and Elephant Bones: 2, Paul Jennings, Andrew Weldon, Andrew Weldon, Ricky is an ordinary boy, about 10 years old, who dreams of...

[Read Book »](#)



Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values
Summer Fit Learning. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 10.6in. x 8.3in. x 0.5in. Summer Fit Activity Books move summer learning beyond academics to also prepare children physically and socially for the grade ahead.
[Read ePub »](#)



Edible Bible Crafts: 64 Delicious Story-Based Craft Ideas for Children
BRF (The Bible Reading Fellowship). Paperback. Book Condition: new. BRAND NEW, Edible Bible Crafts: 64 Delicious Story-Based Craft Ideas for Children, Sally Welch, If you're looking for child-friendly Bible-themed cooking activities, this is the book
[Read ePub »](#)



YJ] New primary school language learning counseling language book of knowledge [Genuine Specials(Chinese Edition)
paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2011-03-01 Pages: 752 Publisher: Jilin University Shop Books All the new
[Read ePub »](#)



Studyguide for Creative Thinking and Arts-Based Learning : Preschool Through Fourth Grade by Joan Packer Isenberg ISBN: 9780131188310
2011. Softcover. Book Condition: New. 4th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights,
[Read ePub »](#)



Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)
Createspace, United States, 2015. Paperback. Book Condition: New. Apoorva Dingar (illustrator). Large Print. 214 x 149 mm. Language: English . Brand New Book ***** Print on Demand *****. Klara is a little different from the other
[Read ePub »](#)