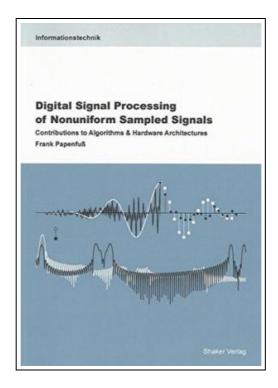
Digital Signal Processing of Nonuniform Sampled Signals : Contributions to Algorithms & Hardware Architectures



Filesize: 7.65 MB

Reviews

It in a of my personal favorite ebook. It is probably the most awesome publication i have read through. You wont really feel monotony at anytime of the time (that's what catalogs are for regarding in the event you check with me).

(Juliet Kertzmann)

DIGITAL SIGNAL PROCESSING OF NONUNIFORM SAMPLED SIGNALS : CONTRIBUTIONS TO ALGORITHMS ϑ HARDWARE ARCHITECTURES



Shaker Verlag Feb 2008, 2008. Taschenbuch. Condition: Neu. Neuware - Today the trend towards higher communication channel capacities and increased connectivity is inevitable. Wireless technology plays a vital role in this development. Electronic appliances are supposed to interoperate seamlessly together using self-configuring, short distance ISM band air interfaces like WLAN, Bluetooth, ZigBee and also ultra wideband (UWB), to name only a few. Software defined radio (SDR), cognitive radios and lately sensor networks have attracted a lot of attention. Particularly in those areas where ad hoc sensor networks are gathering environmental parameters, wireless communication remains the only option to establish communication links. Related to this problem is the topic of dynamic spectrum partitioning and selection of frequencies for communication bands (spectrum management). This text bridges the gap between theory and real system implementation. It complements the vast amount of theoretical material found in the open literature by discussing hardware realisations and hardware architectures, too. It explains how the use of correlated additive random nonuniform sampling, compared to uniform (under) sampling, offers additional freedom in spectrum management. First, a theoretical section establishes the background by introducing relevant nonuniform sampling processes. Second, available algorithms and hardware architectures are presented. Third, novel algorithmic enhancements as well as a discussion of strategies for innovative sampling driver architectures are rounding up the considerations. Actual hardware was built and nonuniform sampled data sets were gathered laying the foundation for the algorithmic enhancements and extensions. Thus, the theory of nonuniform sampling is backed by practical results. Development towards the most efficient nonuniform sampling scheme has been done in a FPGA using VHDL. A comprehensive work such as this is always embedded into and linked to the work of other groups and persons working in the same field. This work is a result of research and development funded by...



Read Digital Signal Processing of Nonuniform Sampled Signals: Contributions to Algorithms & Hardware Architectures Online Download PDF Digital Signal Processing of Nonuniform Sampled Signals: Contributions to Algorithms & Hardware Architectures

You May Also Like



Perfect Numerical and Logical Test Results

Cornerstone. Paperback. Book Condition: new. BRAND NEW, Perfect Numerical and Logical Test Results, Joanna Moutafi, Marianna Moutafi, Have you been asked to sit a numerical or logical reasoning test? -Do you need some help preparing...

Download eBook

>>



Perfect Psychometric Test Results

Cornerstone. Paperback. Book Condition: new. BRAND NEW, Perfect Psychometric Test Results, Joanna Moutafi, Ian Newcombe, Perfect Psychometric Test Results is an invaluable guide for anyone who wants to secure their ideal job. Written by a...

Download eBook

..



Perfect Numerical Test Results

Cornerstone. Paperback. Book Condition: new. BRAND NEW, Perfect Numerical Test Results, Joanna Moutafi, Ian Newcombe, Perfect Numerical Test Results is the essential guide for anyone who wants to secure their ideal job. Written by a...

Download eBook

>>



Adult Coloring Book Birds: Advanced Realistic Bird Coloring Book for Adults

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****. Take your coloring to the next level with this Advanced...

Download eBook

..



Adult Coloring Books Reptiles: A Realistic Adult Coloring Book of Lizards, Snakes and Other Reptiles

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English. Brand New Book ***** Print on Demand *****. Take your coloring to the next level with this Advanced...

Download eBook

»



Adobe Indesign CS/Cs2 Breakthroughs

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebraucht - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and

Read ePub

>>



Big Machines - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Big Machines - Read it Yourself with Ladybird: Level 2, Big Machines Trucks lift things and move them about all day long. Find out all about

Read ePub

»



Chicken Licken - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd, United Kingdom, 2013. Paperback. Book Condition: New. 226 x 152 mm. Language: English . Brand New Book. In this classic fairy tale, a nut falls on Chicken Licken s head and he

Read ePub

..



Peppa Pig: School Bus Trip - Read it Yourself with Ladybird

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Peppa Pig: School Bus Trip - Read it Yourself with Ladybird, Peppa and her friends are going on a school bus trip. What adventures will they

Read ePub

..



Rumpelstiltskin - Read it Yourself with Ladybird: Level 2

Penguin Books Ltd. Paperback. Book Condition: new. BRAND NEW, Rumpelstiltskin - Read it Yourself with Ladybird: Level 2, In this classic fairy tale, a miller's daughter has to spin straw into gold for the king.

Read ePub

»