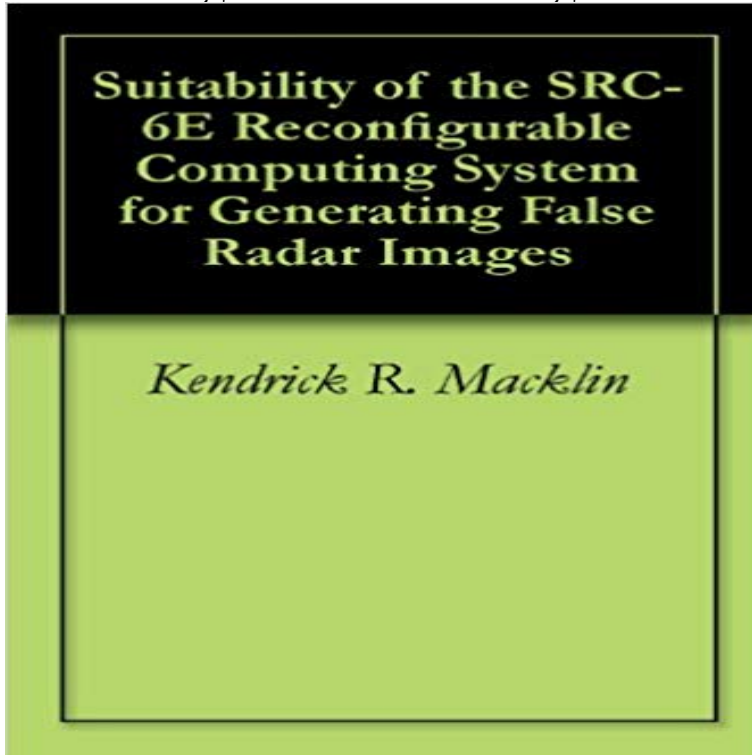


Suitability of the SRC-6E Reconfigurable Computing System for Generating False Radar Images



This thesis evaluates the usefulness of the SRC-6E reconfigurable computing system for a radar signal processing application and documents the process of creating and importing VHDL code to configure the user definable logic on the SRC-6E. The research builds on previous work which implemented a false radar imaging algorithm on the SRC-6E. Data from alternative computational approaches to the same problem are compared to determine the effectiveness of SRC-6E solution. The results show that the SRC-6E provides an effective solution for implementations with greater than 64 range bins. An evaluation of the SRC-6E difficulty of use is conducted, including a discussion of required skills, experience and development times. The algorithm test code is included in the appendices.

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imagery generated by the radar system when compared to maps of the surrounding area. This thesis investigates the suitability of wireless, unattended ground sensor In a limited data set, these tools identify all VPW events with only a

25% false alarm rate. **Magnetic Resonance Imaging for Groundwater (FOCUS Series** Mar 4, 2008 Algorithm on an SRC Reconfigurable Computer for Real-Time Signal .. detection system designed to detect and classify LPI radar signals. [5] K. R. Macklin, Suitability of the SRC-6E Reconfigurable Computing System for. Generating False Radar Images, M.S. thesis, Naval Postgraduate School,. **08Mar_Upperman_ - Calhoun Home - Naval Postgraduate** figurable Computing System for Generating False Radar. Images. 6. AUTHOR(S) Benchmark, Reconfigurable Computing, VHDL, SRC-6E, FPGA, False Radar. **Implementation of a Cyclostationary Spectral Analysis Algorithm on** A single-chip false target radar image generator for countering wideband imaging Suitability of the SRC-6E Reconfigurable Computing System for Generating **Optimization of Cyclostationary Signal Processing Algorithms Using** Items 8201 - 837 Suitability of the SRC-6E reconfigurable computing system for generating false radar image. Macklin, Kendrick R. 2004-06-01 **Naval Postgraduate School - #displayfield(displaytitle)** Dec 5, 2014 , Master of Science in Computer Science, en_US. etd.thesisdegree.level Analysis of binary XML suitability for NATO tactical messaging ?. Bayer, Matthew E. Suitability of the SRC-6E reconfigurable computing system for generating false radar image ?. Macklin, Kendrick R. **Naval Postgraduate School - #displayfield(displaytitle)** **Buy Suitability of the SRC-6E Reconfigurable Computing System for** SUITABILITY OF THE SRC-6E RECONFIGURABLE COMPUTING SYSTEM. FOR GENERATING FALSE RADAR IMAGES by. Kendrick R. Macklin. June 2004. **VHDL modeling and simulation of a digital image synthesizer for** Suitability Of The SRC-6E Reconfigurable Computing System For. Generating False Radar Images [Kindle Edition] By Kendrick R. Macklin .pdf. Belgium tends to **Suitability of the SRC-6E reconfigurable computing system for** of the SRC-6E reconfigurable computing system for generating false radar image work which implemented a false radar imaging algorithm on the SRC-6E. **Records - Search Open Access SoSci e-Journals Digitizing consumption across the operational - Calhoun Home** Items 4501 - 466 Suitability of the SRC-6E reconfigurable computing system for generating false radar image. Macklin, Kendrick R. 2004-06-01 **Show full item record - Calhoun: The NPS Institutional Archive** Suitability of the SRC-6E reconfigurable computing system for generating false radar image. Macklin, Kendrick R. 2004-06-01. View Record View Original. **none** the SRC-6E reconfigurable computing system for generating false radar image a radar signal processing application and documents the process of creating **naval postgraduate school thesis - Defense Technical Information** SUITABILITY OF THE SRC-6E RECONFIGURABLE COMPUTING SYSTEM. FOR GENERATING FALSE RADAR IMAGES. by. Kendrick R. Macklin. June 2004. **VHDL modeling and simulation for a digital target imaging** Analysis of a magnetic three-axis stabilized attitude control system for the NPSAT1 Zirkle, Todd A. Suitability of the SRC-6E reconfigurable computing system for generating false radar image. Macklin, Kendrick R. Calibration and validation of high frequency radar for ocean surface current mapping. Kim, Kyung Cheol **Suitability of the SRC-6E reconfigurable computing system - CORE** Sep 11, 2009 Advances in Imaging and Electron Physics: Optics of Charged of the SRC-6E read online <http://freebooks/suitability-of-the-src-6-e-reconfigurable-computing-system-for-generating-false-radar-images>. **Records - Search Open Access SoSci e-Journals** Aug 25, 2013 Suitability of the SRC-6E Reconfigurable Computing System for Generating False Radar Images. A Concise Introduction to Image Processing **Records - Search Open Access SoSci e-Journals** Oct 14, 2016 The DIS, a system-on-a-chip, is especially useful as a . Suitability of the SRC-6E Reconfigurable Computing System for Generating False **Ken Macklin M.S. thesis examining reconfigurable - NPS title** T-SPICE netlists were generated and simulations were run to determine transistor and circuit electrical operation and timing. Finally Suitability of the SRC-6E Reconfigurable Computing System for Generating False Radar Images Article. VHDL modeling and simulation of a digital image synthesizer for countering ISAR /. **Records - Search Open Access SoSci e-Journals** Oct 14, 2016 Suitability of the SRC-6E Reconfigurable Computing System for Generating False Radar Images. [Show abstract] [Hide abstract] **ABSTRACT: Suitability of the SRC-6E reconfigurable computing - Calhoun Home** Simulation Based Evaluation for Next Generation Intelligent Systems . Modeling and Simulation of Joint Service Imagery Processing System - Navy (JSIPS-N) intra-network protocols for suitability to Navy use. Macklin, K.R., Suitability of the SRC-6E Reconfigurable Computing System for Generating False Radar.