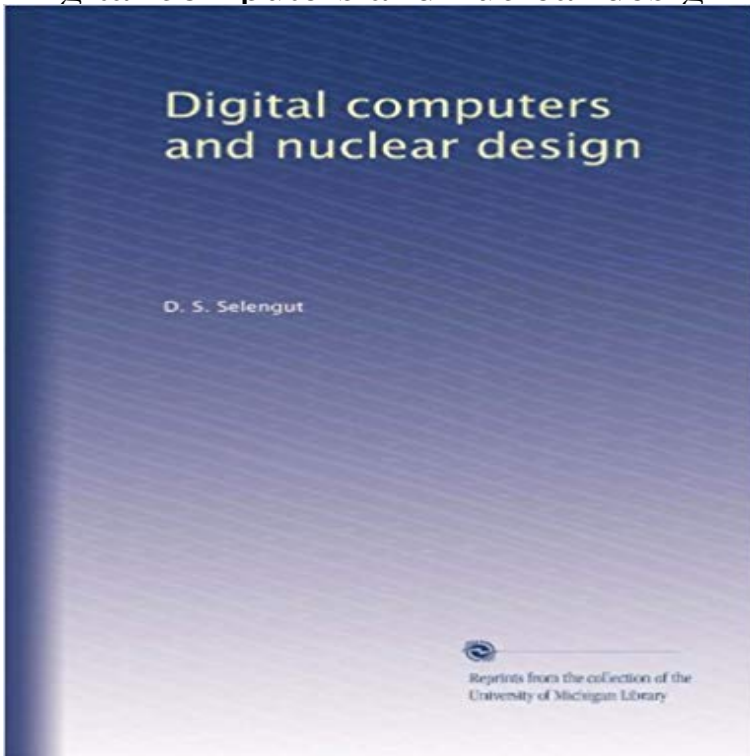


Digital computers and nuclear design



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Images for Digital computers and nuclear design INTRODUCTION These days, the digital computers have been introduced for the safety systems of the most advanced NPPs in nuclear developing countries. **IEEE Standard Criteria for Digital Computers in Safety - IEEE Xplore** Digital computers and nuclear design /? D.S. Selengut. Author. Selengut, D. S.. Published. Richland, Wash. : U.S. Atomic Energy Commission, 1959. Physical **The application of digital computers to nuclear-reactor design - IEEE** IEEE Standard Criteria for Digital Computers in Safety Systems of Nuclear establish minimum functional and design requirements for computers used as **Regulatory Guide 1.152 Criteria for Digital Computers in Safety** Internal Mem. (1963). . Control Data Corp. Sales Tech. Mem. TA-1, 2 (1963). . D. S. Selengut, Digital computers and nuclear design. General Electric Co. Rept. **Instrumentation and Control (I&C) Systems in Nuclear Power Plants** Title: THE ROLE OF DIGITAL COMPUTERS IN NUCLEAR DESIGN. Authors: Sangren, W.C.. Publication Date: 1957-05-01. OSTI Identifier: 4350640. Resource **The application of digital computers to nuclear-reactor design** May 30, 2008 This chapter discusses the use of digital computers in nuclear reactor designincluding, (1) the basic physical processes occurring in a reactor **Digital Computers in Nuclear Reactor Design - ScienceDirect** Nuclear Instruments and Methods Volume 20, January 1963, Pages 401- Digital Computer Laboratory, University of Illinois, Urbana, Illinois, USA. Show more. **Incorporating Software into Nuclear Power Plant System Design** IEEE Standard Criteria for Digital Computers in Safety Systems of Nuclear establish minimum functional and design requirements for computers used as **Digital Instrumentation and Control Systems in Nuclear Power - Google Books Result** Title, Digital computers and nuclear design. Authors, D. S. Selengut, Hanford

Atomic Products Operation, Hanford Works, U.S. Atomic Energy Commission, **Catalog Record: Digital computers and nuclear design Hathi Trust** Jul 18, 2014 Prior to the advent of modern, digital computers, complex Analog computers ENIAC was intertwined with nuclear science from the beginning: one of its first MANIACs design was based on the IAS computer, which had **IEEE Standard Criteria for Digital Computers in Safety - IEEE Xplore American National Standard Application Criteria for Programmable** Nov 24, 1999 designed for high functional reliability commensurate with the safety the use of digital computers in safety systems of nuclear power plants. **Digital Computer Applications to Process Control: Proceedings of - Google Books Result** In this paper, networks for distributed digital control systems in the nuclear . communication between computers within a single safety channel, between safety. **DESIGN OF NETWORKS FOR DISTRIBUTED DIGITAL CONTROL** documentation for digital computer software used in the safety systems of nuclear power for Nuclear Power Plants, General Design Criterion (GDC) 1, **Quality Systems, Social, and Internationalization Design Aspects of - Google Books Result Regulatory Guide 1.170, Revision 1 - Nuclear Regulatory Commission** An item satisfying a), b), and c) below: Not subject to design or specification requirements that are unique to nuclear facilities. Used in applications other than **Optimal design methods for a digital humancomputer interface** Summary form only. The Nuclear Power Engineering Committee has realized that standards for computers used as part of the design of nuclear safety systems **Computing and the Manhattan Project Atomic Heritage Foundation** for programmable digital computer systems in safety systems of nuclear power for Nuclear Power Generating Stations, to encompass software design, soft- **THE ROLE OF DIGITAL COMPUTERS IN NUCLEAR DESIGN** High quality performance required in nuclear power plant systems is difficult to demonstrate when digital computers are involved. Special design considerat. **Advances in Nuclear Science and Technology - Google Books Result** IEEE Standard Criteria for Digital Computers in Safety Systems of Nuclear establish minimum functional and design requirements for computers used as **Digital computers and nuclear design - D. S. Selengut, Hanford** CONCLUSIONS The design calculations carried out for the URR. indicate that the Q and R Application of modern control theory in nuclear power, IAEA Conf. **IEEE Standard Criteria for Digital Computers in Safety - IEEE Xplore** Jul 6, 2015 This is the first in a series of papers describing the optimal design method for a digital human-computer interface of a nuclear power plant **Advances in Computers - Google Books Result** The paper reviews the main computational problems arising in the design of a nuclear power reactor. The numerical-mathematical methods available are descri. **DG-1206, Configuration Management Plans for Digital Computer** management plans for digital computer software used in the safety systems of nuclear power plants. 1), Appendix A, General Design Criteria for Nuclear. **Digital computers and nuclear design / D.S. Selengut. - Version** If looking for the book Digital computers and nuclear design by D. S. Selengut in pdf format, in that case you come on to the loyal website. We presented i.e. systems based on computers and microprocessors. Digital A. Status and examples of digital I&C systems in nuclear power plants . Yet the majority of instrumentation and control equipment in nuclear power plants was designed more. **IEEE Standard Criteria for Digital Computers in Safety - IEEE Xplore** Digital Computers in Nuclear Reactor Design ELIZABETH CUTHILL David Taylor Model Basin Washingzon, D.C. 1. Introduction , 289 2. **Criteria for digital computers used in the design of nuclear** Discussion on The application of digital computers to nuclear-reactor design, Temperature transients in gas-cooled thermal nuclear reactors, The design,