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Signal Intelligence module for GNU Radio (grsigint)
This GNU Radio module is developed to realize signal analysis abilities in typical block-structure. The module is capable of the following: Energy detection of continuous signals Signal Intelligence Module For

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Gnu Signal Intelligence module for GNU Radio (grsigint) Introduction

Signal Intelligence Module For Gnu Radio Gr Sigint
Title: Signal Intelligence Module For Gnu Radio Gr Sigint
Author: media.ctsnet.org-Brigitte Moench-2020-09-27-18-59-01
Subject: Signal Intelligence Module For Gnu Radio Gr Sigint

Signal Intelligence Module For Gnu Radio Gr Sigint
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Author: wiki.ctsnet.org-Monika Richter-2020-10-03-06-11-33
Subject: Signal Intelligence Module For Gnu Radio Gr Sigint

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Signal Intelligence Module For Gnu Radio Gr Sigint
Signal Intelligence Module For Gnu This GNU Radio module is developed to realize signal analysis abilities in typical block-structure. The module is capable of the following: Energy detection of continuous signals; Filtering of detected signals; OFDM parameter estimation Page 6/31.

Signal Intelligence Module For Gnu Radio Gr Sigint
Signal Intelligence Module For Gnu Signals Intelligence Operation System. SigintOS[]; as the name suggests, SIGINT is an improved Linux distribution for Signal Intelligence. This distribution is based on Ubuntu

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Linux. It has its own software called SigintOS. With this software, many SIGINT operations can be performed via a single graphical ...

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underway for signal processing at the SETI Institute's
Allen Telescope Array (ATA) at the Hat Creek Radio
Observatory (HCRO). This collaboration is an
extension of work begun in 2019 to build open-source
hardware and software, accessible to both

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Title: Signal Intelligence Module For Gnu Radio Gr

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Sigint Author: Torsten Werner Subject: Signal Intelligence Module For Gnu Radio Gr Sigint

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Radio - GitHub Signals Intelligence Operation System.
SigintOS; as the name suggests, SIGINT is an improved Linux distribution for Signal Intelligence. This distribution is based on Ubuntu Linux. It has its own software called SigintOS. With this software, many SIGINT operations can be performed via a single

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Signal Intelligence Module For Gnu This GNU Radio module is developed to realize signal analysis abilities in typical block-structure. The module is capable of the following: Energy detection of continuous signals; Filtering of detected signals; OFDM parameter estimation (carrier spacing, symbol time) Blind OFDM

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Author: gallery.ctsnet.org-Bernd

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This GNU Radio module is developed to realize signal analysis abilities in typical block-structure. The module is capable of the following: Energy detection of continuous signals; Filtering of detected signals; OFDM parameter estimation (carrier spacing, symbol time) Blind OFDM synchronization; Resampling of signals to constant rate

GitHub - gnuradio/gr-inspector: Signal Analysis Toolbox ...

I plan to participate in Google Summer of Code this year and I was interested in the ideas mentioned on the GNU-Radio wiki. I am particularly interested in the

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implementation of Signal Intelligence module (gr-sigint) whose potential mentor is Sreeraj Rajendran.

[Discuss-gnuradio] GSoC 2016 - Signal Intelligence module ...

Recently we've heard of a new Linux distribution called SigintOS becoming available for download. SigintOS is an Ubuntu based distribution with a number of built in signal intelligence applications for software defined radios such as RTL-SDRs and other TX capable SDRs like the HackRF, bladeRF and USRP radios. The distro appears to be very well executed, with a built in GUI that grants easy access to the some common sigint tools like an FM and GPS

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transmitter, a jammer, a GSM base station ...

SigintOS: A Linux Distro for Signal Intelligence

Part two covers synthesis of signals, plotting, ... digital signal processing, gnu octave, ... Yootis on Easy Carrier Board For The Compute Module 4 Shows You Can Do It, Too;

Tutorial On Signal Processing In Linux With Octave | Hackaday

Software-defined radio (SDR) is a radio communication system where components that have been traditionally implemented in hardware (e.g. mixers, filters, amplifiers, modulators/demodulators,

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detectors, etc.) are instead implemented by means of software on a personal computer or embedded system. While the concept of SDR is not new, the rapidly evolving capabilities of digital electronics render ...

This cutting-edge resource offers practical overview of cognitive radio, a paradigm for wireless communications in which a network or a wireless node changes its transmission or reception parameters. The alteration of parameters is based on the active monitoring of several factors in the

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external and internal radio environment. This book offers a detailed description of cognitive radio and its individual parts. Practitioners learn how the basic processing elements and their capabilities are implemented as modular components. Moreover, the book explains how each component can be developed and tested independently, before integration with the rest of the engine. Practitioners discover how cognitive radio uses artificial intelligence to achieve radio optimization. The book also provides an in-depth working example of the developed cognitive engine and an experimental scenario to help engineers understand its performance and behavior.

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Like no other book before it, Global Information Warfare illustrates the relationships and interdependencies of business and national objectives, of companies and countries, and of their dependence on advances in technology. This book sheds light on the "Achilles heel" that these dependencies on advanced computing and information technologies creat

"Do you learn best by example and experimentation? This book is ideal. Have your favorite editor and compiler ready—you'll encounter example code you'll want to try right away. You've picked the right book—this is sure to become the de facto standard

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guide to writing Apache modules." -Rich Bowen, coauthor, Apache Administrators Handbook, Apache Cookbook, and The Definitive Guide to Apache mod_rewrite "A first-rate guide to getting the most out of Apache as a modular application platform—sure to become a must-read for any Apache programmer, from beginner to experienced professional. It builds up carefully and meticulously from the absolute basics, while including chapters on everything from the popular Apache DBD Framework to best practices, security, and debugging." -Noirin Plunkett, documentation committer to the Apache httpd project, and member of the ASF conference committee The Only Comprehensive Guide to

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Developing Apache 2.x Modules and Applications

Apache is more than the world's most popular Web server—it's also an extraordinarily powerful and

extensible development platform. Now,

ApacheTutor.org's Nick Kew has written The Apache Modules Book, the first start-to-finish, example-rich

guide for every developer who wants to make the

most of Apache. Kew begins with detailed, accessible introductions to Apache's architecture and API, then

illuminates all the techniques you'll need, from

request processing through code security. He brings

together the best of both worlds: powerful C-based

techniques for accomplishing tasks Perl or PHP can't

handle, implemented with tools that deliver all the

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productivity you'd expect from higher-level languages. Utilizing realistic code samples, Kew introduces techniques documented in no other book-and, often, nowhere else at all. Coverage includes Using Apache Portable Runtime (APR) to streamline C development and avoid its pitfalls Leveraging Apache DBD to build applications far more scalable than classic LAMP software Working with the latest Apache 2.x features: filter modules, XML support, and smart proxies Mastering best practices, from thread safety to multi-platform development Utilizing the Apache Authentication Framework Tracing and debugging problems in both Apache and your custom modules Foreword Preface Acknowledgments About the Author

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Chapter 1 Applications Development with Apache

Chapter 2 The Apache Platform and Architecture

Chapter 3 The Apache Portable Runtime Chapter 4

Programming Techniques and Caveats Chapter 5

Writing a Content Generator Chapter 6 Request

Processing Cycle and Metadata Handlers Chapter 7

AAA: Access, Authentication, and Authorization

Chapter 8 Filter Modules Chapter 9 Configuration for

Modules Chapter 10 Extending the API Chapter 11 The

Apache Database Framework Chapter 12 Module

Debugging Appendix A Apache License Appendix B

Contributor License Agreements Appendix C

Hypertext Transfer Protocol: HTTP/1.1 Index About the

Web Site ApacheTutor.org contains code examples

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from the book, all designed for easy use and integration into existing applications.

This comprehensive book gives an overview of how cognitive systems and artificial intelligence (AI) can be used in electronic warfare (EW). Readers will learn how EW systems respond more quickly and effectively to battlefield conditions where sophisticated radars and spectrum congestion put a high priority on EW systems that can characterize and classify novel waveforms, discern intent, and devise and test countermeasures. Specific techniques are covered for optimizing a cognitive EW system as well as evaluating its ability to learn new information in real

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time. The book presents AI for electronic support (ES), including characterization, classification, patterns of life, and intent recognition. Optimization techniques, including temporal tradeoffs and distributed optimization challenges are also discussed. The issues concerning real-time in-mission machine learning and suggests some approaches to address this important challenge are presented and described. The book covers electronic battle management, data management, and knowledge sharing. Evaluation approaches, including how to show that a machine learning system can learn how to handle novel environments, are also discussed. Written by experts with first-hand experience in AI-based EW, this is the

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first book on in-mission real-time learning and optimization.

This book constitutes the proceedings of the 31st Australasian Joint Conference on Artificial Intelligence, AI 2018, held in Wellington, New Zealand, in December 2018. The 50 full and 26 short papers presented in this volume were carefully reviewed and selected from 125 submissions. The paper were organized in topical sections named: agents, games and robotics; AI applications and innovations; computer vision; constraints and search; evolutionary computation; knowledge representation and reasoning; machine learning and data mining;

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planning and scheduling; and text mining and NLP.

The contributed volume aims to explicate and address the difficulties and challenges that of seamless integration of the two core disciplines of computer science, i.e., computational intelligence and data mining. Data Mining aims at the automatic discovery of underlying non-trivial knowledge from datasets by applying intelligent analysis techniques. The interest in this research area has experienced a considerable growth in the last years due to two key factors: (a) knowledge hidden in organizations' databases can be exploited to improve strategic and managerial decision-making; (b) the large volume of data

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managed by organizations makes it impossible to carry out a manual analysis. The book addresses different methods and techniques of integration for enhancing the overall goal of data mining. The book helps to disseminate the knowledge about some innovative, active research directions in the field of data mining, machine and computational intelligence, along with some current issues and applications of related topics.

Essay Collection covering the point where software, law and social justice meet.

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This book features a selection of papers presented at the 4th IFIP WG 12.6 International Workshop on Artificial Intelligence for Knowledge Management, AI4KM 2016, held in New York, USA, in July 2016, in the framework of the International Joint Conference on Artificial Intelligence, IJCAI 2016. The 9 revised and extended papers were carefully reviewed and selected from 16 submissions. They present new research and innovative aspects in the field of knowledge management such as machine learning, knowledge models, KM and Web, knowledge capturing and learning, and KM and AI intersections.

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different methods and techniques of integration for enhancing the overall goal of data mining. The book helps to disseminate the knowledge about some innovative, active research directions in the field of data mining, machine and computational intelligence, along with some current issues and applications of related topics.

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