

Linux For Embedded And Real Time Applications

DSP for Embedded and Real-Time Systems Big Data Analytics Economic Uncertainty, Instabilities And Asset Bubbles: Selected Essays Essentials of Data Analysis Scientific and Technical Aerospace Reports Real-time Control and Optimization of Curing in Thick Sectioned Thermoset Composites The Business Review Proceedings of the Cambridge Philosophical Society The Independent LabVIEW Graphical Programming Dreamweaver CC Digital Classroom Standard Handbook for Aerospace Engineers, Second Edition Transient Heat Transfer to Particles in a Low Velocity Flow Field Energy Research Abstracts The Pharmacist and Chemist Organizational Survival: Profitable Strategies for a Sustainable Future Supplement to the Official Journal of the European Communities Cartography and graphics CISSP Bundle, Fourth Edition Transactions Robert Oshana Venkat Ankam Anastasios G Malliaris Agasti Khatri Sanjay Parthasarathy Gary W. Johnson Michael Arguin Brij N. Agrawal Ki-Hwan Park Gregory Balestrero International Geographical Union. Commission on Geographical Data Sensing and Processing Shon Harris Biochemical Society (Great Britain)

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this book includes a range of techniques for developing digital signal processing code tips and tricks for optimizing dsp software and various options available for constructing dsp systems from numerous software components

a handy reference guide for data analysts and data scientists to help to obtain value from big data analytics using spark on hadoop clusters about this book this book is based on the latest 2 0 version of apache spark and 2 7 version of hadoop integrated with most commonly used tools learn all spark stack components including latest topics such as dataframes datasets graphframes structured streaming dataframe based ml pipelines and sparkr integrations with frameworks such as hdfs yarn and tools such as jupyter zeppelin nifi mahout hbase spark connector graphframes h2o and hivemall who this book is for though this book is primarily aimed at data analysts and data scientists it will also help architects programmers and practitioners knowledge of either spark or hadoop would be beneficial it is assumed that you have basic programming background in scala python sql or r programming with basic linux experience working experience within big data environments is not mandatory what you will learn find out and implement the tools and techniques of big data analytics using spark on hadoop clusters with wide variety of tools used with spark and hadoop understand all the hadoop and spark ecosystem components get to know all the spark components spark core spark sql dataframes datasets conventional and structured streaming mllib ml pipelines and graphx see batch and real time data analytics using spark core spark sql and conventional and structured streaming get to grips with data science and machine learning using mllib ml pipelines h2o hivemall graphx sparkr and hivemall in detail big data analytics book aims at providing the fundamentals of apache spark and hadoop all spark components spark core spark sql dataframes data sets conventional streaming structured streaming mllib graphx and hadoop core components hdfs mapreduce and yarn are explored in greater depth with implementation examples on spark hadoop clusters it is moving away from mapreduce to spark so advantages of spark over mapreduce are explained at great depth to reap benefits of in memory speeds dataframes api data sources api and new data set api are explained for building big data analytical applications real time data analytics using spark streaming with apache kafka and hbase is covered to help building streaming applications new structured streaming concept is explained with an iot internet of things use case machine learning techniques are covered using mllib ml pipelines and sparkr and graph analytics are covered with

graphx and graphframes components of spark readers will also get an opportunity to get started with web based notebooks such as jupyter apache zeppelin and data flow tool apache nifi to analyze and visualize data style and approach this step by step pragmatic guide will make life easy no matter what your level of experience you will deep dive into apache spark on hadoop clusters through ample exciting real life examples practical tutorial explains data science in simple terms to help programmers and data analysts get started with data science

the compendium of papers in this volume focuses on aspects of economic uncertainty financial instabilities and asset bubbles economic uncertainty is modeled in continuous time using the mathematical techniques of stochastic calculus a detailed treatment of important topics is provided including the existence and uniqueness of asymptotic economic growth the modeling of inflation and interest rates the decomposition of inflation and its volatility and the extension of the quantity theory of money to allow for randomness the reader is also introduced to the methods of chaotic dynamics and this methodology is applied to asset pricing the european equity markets and the multi fractality in foreign currency markets since the techniques of stochastic calculus and chaotic dynamics do not readily accommodate the presence of stochastic bubbles several papers discuss in depth the presence of financial bubbles in asset prices and econometric work is performed to link such bubbles to monetary policy finally since bubbles often burst rather than deflate slowly the last section of the book studies the crash of october 1987 as well as other crashes of national equity markets due to the persian gulf crisis

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