

Ns3 Source Code For Wireless Sensor Networks

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this book will focus on utilizing statistical modelling of the software source code in order to resolve issues associated with the software development processes writing and maintaining software source code is a costly business software developers need to constantly rely on large existing code bases statistical modelling identifies the patterns in software artifacts and utilize them for predicting the possible issues

this book focuses on source to source code transformations that remove addressing related overhead present in most multimedia or signal processing application programs this approach is complementary to existing compiler technology what is particularly attractive about the transformation flow presented here is that its behavior is nearly independent of the target processor platform and the underlying compiler hence the different source code transformations developed here lead to impressive performance improvements on most existing processor architecture styles ranging from riscs like arm7 or mips over superscalars like intel pentium powerpc dec alpha sun and hp to vliw dsps like ti c6x and philips trimedia the source code did not have to be modified between processors to obtain these results apart from the performance improvements the estimated energy is also significantly reduced for a given application run these results were not obtained for academic codes but for realistic and representative applications all selected from the multimedia domain that shows the industrial relevance and importance of this research at the same time the scientific novelty and quality of the contributions

have lead to several excellent papers that have been published in internationally renowned conferences like e g date this book is hence of interest for academic researchers both because of the overall description of the methodology and related work context and for the detailed descriptions of the compilation techniques and algorithms

in recent years searching for source code on the web has become increasingly common among professional software developers and is emerging as an area of academic research this volume surveys past research and presents the state of the art in the area of code retrieval on the web this work is concerned with the algorithms systems and tools to allow programmers to search for source code on the web and the empirical studies of these inventions and practices it is a label that we apply to a set of related research from software engineering information retrieval human computer interaction management as well as commercial products the division of code retrieval on the web into snippet remixing and component reuse is driven both by empirical data and analysis of existing search engines and tools contributors include leading researchers from human computer interaction software engineering programming languages and management finding source code on the for remix and reuse consists of five parts part i is titled programmers and practices and consists of a retrospective chapter and two empirical studies on how programmers search the web for source code part ii is titled from data structures to infrastructures and covers the creation of ground breaking search engines for code retrieval required ingenuity in the adaptation of existing technology and in the creation of new algorithms and data structures part iii focuses on reuse components and projects which are reused with minimal modification part iv is on remix snippets and answers which examines how source code from the web can also be used as solutions to problems and answers to questions the book concludes with part v looking ahead that looks at future programming and the legalities of software reuse and remix and the implications of current intellectual property law on the future of software development the story richie boss private

investigator manager was selected as the winner of a crowdfunded short story contest

the goal of this dissertation is to support developers in applying security checks using community knowledge artificial intelligence approaches combined with natural language processing techniques are employed to identify security related information from community websites such as stack overflow or github all security related information is stored in a security knowledge base this knowledge base provides code fragments that represent the community s knowledge about vulnerabilities security patches and exploits comprehensive knowledge is required to carry out security checks on software artifacts such as data covering known vulnerabilities and their manifestation in the source code as well as possible attack strategies approaches that check software libraries and source code fragments are provided for the automated use of the data insecure software libraries can be detected using the nvd combined with metadata and library file hash approaches introduced in this dissertation vulnerable source code fragments can be identified using community knowledge represented by code fragments extracted from the largest coding community websites stack overflow and github a state of the art clone detection approach is modified and enriched by several heuristics to enable vulnerability detection and leverage community knowledge while maintaining good performance using various case studies the approaches implemented in eclipse plugins and a jira plugin are adapted to the users needs and evaluated

new perspectives on digital scholarship that speak to today s computational realities scholars across the humanities social sciences and information sciences are grappling with how best to study virtual environments use computational tools in their research and engage audiences with their results classic work in science and technology studies sts has played a central role in how these fields analyze digital technologies but many of its key examples do not speak to today s computational realities this groundbreaking collection brings together a world class group of contributors to refresh the

canon for contemporary digital scholarship in twenty five pioneering and incisive essays this unique digital field guide offers innovative new approaches to digital scholarship the design of digital tools and objects and the deployment of critically grounded technologies for analysis and discovery contributors cover a broad range of topics including software development hackathons digitized objects diversity in the tech sector and distributed scientific collaborations they discuss methodological considerations of social networks and data analysis design projects that can translate sts concepts into durable scientific work and much more featuring a concise introduction by janet vertesi and david ribes and accompanied by an interactive microsite this book provides new perspectives on digital scholarship that will shape the agenda for tomorrow's generation of sts researchers and practitioners

the second edition of security strategies in linux platforms and applications opens with a discussion of risks threats and vulnerabilities part 2 discusses how to take advantage of the layers of security and the modules associated with apparmor and selinux part 3 looks at the use of open source and proprietary tools when building a layered sec

get professional insight about application development with this complete guide to creating sophisticated and dynamic applications with php readers will learn how to handle hot topics like xml wddx and e commerce efficiently with php and also read about php's advanced syntax and features

information technology database management the definitive source for understanding modern data architecture other books have bits and pieces of architecture described but nowhere else is there a single source that has all the components of modern data architecture in one place in an organized and readable manner from the foreword by william h inmon the technology for compiling data has evolved to the point where most organizations now amass information faster than they

can use it the bad news is that most of that data is disparate scattered across different databases and platforms the time has come to tame the data chaos and this invaluable resource shows you how michael h brackett schools you in a variety of techniques for creating a cohesive data structure that everyone in your organization can use step by step he guides you through the entire process of planning building and programming a data warehouse tailored to your organization s needs you learn how to prepare and evaluate existing data for a data warehouse cross reference data so it s easy to find in all corporate locations prepare data for client server systems improve the consistency and quality of existing and future data manage a data warehouse the data warehouse challenge is an indispensable tool for database administrators and developers systems programmers and analysts and all those involved with helping their organizations rise to the challenge of taming data chaos

trb s national cooperative highway research program nchrp report 775 applying gps data to understand travel behavior volume i background methods and tests describes the research process that was used to develop guidelines on the use of multiple sources of global positioning system gps data to understand travel behavior and activity the guidelines which are included in nchrp report 775 volume ii are intended to provide a jump start for processing gps data for travel behavior purposes and provide key information elements that practitioners should consider when using gps data publisher s note

the official language specification for the dbase language as promulgated by borland the book also features comments and explanations of language design decisions by two of the original authors of dbase wayne ratliff and jeb long an authoritative reference to the most widely used database management programming language

experienced html authors webmaster and intranet programmers will find this book one of the fastest ways to learn cgi

programming topics include catalog search engine order forms database referencing and user feedback scripts real world examples emphasize creating forms and user driven interactive sites

an intermediate level book designed for the programmer who is familiar with at least one programming language and is looking for more information on object oriented construction and design

this title introduces the fundamentals of the unix operating system to the pc user unix is the operating system of the internet and is gaining attention from pc users because of its rapid growth this book utilizes hand on projects and step by step instructions to provide the user with a firm understanding of unix using linux as the teaching vehicle

when used as a team javascript and html 4.0 can make a user's page effective as a resource this book teaches users the techniques and sample code needed to make these tools work in harmony and creators can learn the key fundamentals of html 4.0 including working with text images multimedia lists documents image maps forms style sheets and scripts

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Introduction

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