Prentice Hall Reference Guide 9th Edition

This book constitutes the refereed proceedings of the 7th International Joint Conference CAAP/FASE on Theory and Practice of Software Development (TAPSOFT'97), held in Lille, France, in April 1997. The volume is organized in three parts: The first presents invited contributions, the second is devoted to trees in algebra in programming (CAAP) and the third to formal approaches in software engineering (FASE). The 30 revised full papers presented in the FASE section were selected from 79 submissions; the 23 revised full papers presented in the FASE section were selected from 79 submissions; the 23 revised full papers presented in the FASE section were selected from 79 submissions; the 23 revised full papers presented in the FASE section were selected from 79 submissions; the 23 revised full papers presented in the FASE section were selected from 79 submissions; the 23 revised full papers presented in the FASE section were selected from 79 submissions; the 23 revised full papers presented in the FASE section were selected from 79 submissions; the 23 revised full papers presented in the FASE section were selected from 79 submissions; the 24 revised full papers presented in the FASE section were selected from 79 submissions; the 25 revised full papers presented in the FASE section were selected from 79 submissions; the 26 revised full papers presented in the FASE section were selected from 79 submissions; the 26 revised full papers presented in the FASE section were selected from 79 submissions; the 27 revised full papers presented in the FASE section were selected from 79 submissions; the 28 revised full papers presented in the FASE section were selected from 79 submissions; the 28 revised full papers presented in the FASE section were selected from 79 submissions; the 28 revised full papers presented in the FASE section were selected from 79 submissions; the 28 revised full papers presented in the FASE section were selected from 79 submissions; the 28 revised full papers presented in the FASE section were selected from 79 submissions; the 28 revised full papers presented in the FASE section were selected from 79 submissions; the 28 revised full papers presented from 79 submissions; the 28 revised full papers presented from 79 submissions full papers presented from 79 submissions from 79 submissions from

submissions. This best seller is a comprehensive, easy-to-study guide to current federal pharmacy law that helps you review the newest federal statutes and regulations, including Medicare Part D, the Controlled Substance Ordering System (CSOS), new rules for prescribing and dispensing drugs that have restricted distribution systems, the Methamphetamine Anti-proliferation Act (MAPA), HIPAA regulations, the Dietary Supplement Health and Education Act (DSHEA), and much more. Designed to assist candidates in preparing for pharmacy law examinations in all states. Also includes over 300

Sit down at the keyboard and cinch that deal! Press the send button and get the account! Writing skills are more important than ever in determining business success. They can make the difference between climbing the corporate ladder and getting stuck on a low rung. An e-mail that's clear, concise, and targeted will get more than just a response—it will get results...including your boss's attention! No matter what the business or sector, top communication skills are in major demand. Why? Because businesses are bogged down with e-mails that are too long, wordy, and unclear. Instead of wasting time rewriting, clarifying, and still miscommunicating, write it once, write it right, and get the job done the first time. The Executive Guide to E-mail Correspondence will show you how to rapidly transform basic writing skills into global communications expertise. Geared to the computer-toting professional with little patience for instructions and explanations, The Executive Guide to E-mail Correspondence fills the gap between academic training and real-world writing by providing you with a range of E-mail templates that you can instantly adapt to your business needs. Written in a fresh and lively, here's-how style, The Executive Guide to E-mail Correspondence: Demonstrates the hallmarks of effective business E-mails. Features ready-to-use organizational plans. Presents guick and easy editing techniques. Furnishes before-and-after editing models. Focuses on the do's and don'ts of proficient E-mails. Supplies practical writing tips and tricks. The Executive Guide to E-mail Correspondence is a must-have book for anyone who wants to fast-forward his or her career in any business or industry.

Addresses the statistical, mathematical, and computational aspects of the construction of packages and analysis of variance (ANOVA) programs. Includes a disk at the back of the book that contains all program codes in four languages, APL, BASIC, C, and FORTRAN. Presents illustrations of the dual space geometry for all designs, including confounded designs.

High-Integrity System Specification and Design

practice federal law questions and answers.

Prentice Hall Reference Guide

Formal Semantics and Proof Techniques for Optimizing VHDL Models

With a Guide to Abbreviation of Bibliographic References; for the Guidance of Authors, Editors, Compositors, and Proofreaders

Herbal Medicine Past and Present: A reference guide to medicinal plants

Deductive and Object-Oriented Databases

Software Engineer's Reference Book provides the fundamental principles and general approaches, contemporary information, and applications for developing the software of computer systems. The book is comprised of three main parts, an epilogue, and a comprehensive index. The first part covers the theory of computer science and relevant mathematics. Topics under this section include logic, set theory, Turing machines, theory of computation, and computational complexity. Part II is a discussion of software development methods, techniques and technology primarily based around a conventional view of the software life cycle. Topics discussed include methods such as CORE, SSADM, and SREM, and formal methods including VDM and Z. Attention is also given to other technical activities in the life cycle including testing and prototyping. The final part describes the techniques and standards which are relevant in producing particular classes of application. The text will be of great use to software engineers, software project managers, and students of computer science.

Includes, beginning Sept. 15, 1954 (and on the 15th of each month, Sept.-May) a special section: School library journal, ISSN 0000-0035, (called Junior libraries, 1954-May 1961). Also issued separately. If you design electronics for a living, you need Robust Electronic Design Reference Book. Written by a working engineer, who has put over 115 electronic products into production at Sycor, IBM, and Lexmark, Robust Electronic Design Reference covers all the various aspects of

designing and developing electronic devices and systems that: -Work. -Are safe and reliable. -Can be manufactured, tested, repaired, and serviced. -May be sold and used worldwide. -Can be adapted or enhanced to meet new and changing requirements. Electronics Engineer's Reference Book, Sixth Edition is a five-part book that begins with a synopsis of mathematical and electrical techniques used in the analysis of electronic systems. Part II covers physical phenomena, such as electricity, light, and radiation, often met with in electronic systems. Part III contains chapters on basic electronic components and materials, the building blocks of any electronic design and instrumentation. The last part shows the application areas of electronics such as radar and computers.

Proceedings of the 9th SUITMA Congress

A Manual for Writers of Research Papers, Theses, and Dissertations, Ninth Edition

Robust Electronic Design Reference Book: no special title

Library Journal

The C Programming Language

Electronics Engineer's Reference Book

For first year composition courses. Prentice Hall Reference Guide, Ninth Edition, is a tabbed, spiral-bound handbook is written to help all writers, including students who may not know proper terminology, quickly find the information they need. Teaching and Learning Experience This text will provide a better teaching and learning experience—for you and your students. It provides: · A series of "portals" in Tab 1, through which students can quickly find the answers to their writing, research, and grammar-related questions: Helps students at all levels of learning locate the help they need. · Tried and true advice at every stage of the writing process from instructors who have over 30 years of combined experience working with students: The text is written to students and speaks to them using language they can understand. A compact, four-color design with spiral binding and tabs: Makes the book easy to use. 0321993071 / 9780321993076 Prentice Hall Reference Guide with NEW MyWritingLab with eText -- Access Card Package Package consists of: 0205870147 / 9780205870141 NEW MyWritingLab with Pearson eText -- Valuepack Access Card 0321921313 / 9780321921314 Prentice Hall Reference Guide Volume 2.

Be Prepared Before You Have a Mine Accident Let's hope you never face a mine disaster. But if you do, you need it. Mine Rescue Manual, prepared and tested at the Colorado School of Mines, comes to the rescue with: • Clear descriptions • Best-practice benchmarks • Step-by-step lists • Procedural diagrams This book will be your go-to guide if there's an accident at your mine. Mine Rescue Manual will walk you through every contingency: properly dealing with mine fires, toxic gases, loss of oxygen, injured workers, and more. It covers how to stay in legal, regulatory, and National Incident Management System compliance when responding to and reporting an accident. Also included is an extensive section on mine recovery (and potentially resuming operations) in the aftermath. Published by the Society for Mining, Metallurgy & Exploration, this well-organized manual is designed to help you address your emergency successfully, maximizing the protection of human life while minimizing the cost not only of rescue and recovery, but to your corporate reputation. When Kate L. Turabian first put her famous guidelines to paper, she could hardly have imagined the world in which we research and compose papers may have changed, the fundamentals remain the same: writers need to have a strong research question, construct an evidence-based argument, cite their sources, and structure their work in a logical way. A Manual for Writers of Research Papers, Theses, and Dissertations—also known as "Turabian"—remains one of the most popular books for writers because of its timeless focus on achieving these goals. This new edition filters decades of expertise into modern standards. While previous editions incorporated digital forms of research and writing, this edition goes even further to build information literacy, recognizing that most students will be doing their work largely or entirely online and on screens. Chapters include updated advice on finding, evaluating, and citing a wide range of digital sources and also recognize the evolving use of software for citation management, graphics, and paper format and submission. The ninth edition is fully aligned with the recently released Chicago Manual of Style, 17th edition, as well as with the latest edition of The Craft of Research. Teachers and users of the previous editions will recognize the familiar three-part structure. Part 1 covers every step of the research and writing process, including drafting and revising. Part 2 offers a comprehensive guide to Chicago's two methods of source citation: notes-bibliography and author-date. Part 3 gets into matters of editorial style and the correct way to present quotations and visual material. A Manual for Writers also covers an issue familiar to writers of all levels: how to conquer the fear of tackling a major writing project. Through eight decades and millions of copies, A Manual for Writers has helped generations shape their ideas into compelling research papers. This new edition will continue to be the gold standard for college and graduate students in virtually all academic disciplines.

Aquatic Oligochaete Biology IX

Computation for the Analysis of Designed Experiments

Cloud Computing

A Comprehensive Guide for Mine Rescue Team Members

7th International Joint Conference CAAP/FASE, Lille, France, April 14-18, 1997, Proceedings

Errata, detected in Taylor's Logarithms. London: 4to, 1792. [sic] 14.18.3 6 Kk Co-sine of 3398 3298 - Nautical Almanac (1832) In the list of ERRATA detected in Taylor's Logarithms, for cos. 4° 18'3", read cos. 14° 18'2". - Nautical Almanac (1833) ERRATUM of the ERRATUM of the ERRATA of TAYLOR'S Logarithms. For cos. 4° 18'3", read cos. 14° 18' 3". - Nautical Almanac (1836) In the 1820s, an Englishman named Charles Babbage designed and partly built a calculating machine originally intended for use in deriving and printing logarithmic and other tables used in the shipping industry. At that time, such tables were often inaccurate, copied carelessly, and had been instrumental in causing a number of maritime disasters. Babbage's machine, called a 'Difference Engine' because it performed its cal culations using the principle of partial differences, was intended to substantially reduce the number of errors made by humans calculating the tables. Babbage had also designed (but never built) a forerunner of the modern printer, which would also reduce the number of errors admitted during the transcription of the results. Nowadays, a system implemented to perform the function of Babbage's engine would be classed as safety-critical. That is, the failure of the system to produce correct results could result in the loss of human life, mass destruction of property (in the form of ships and cargo) as well as financial losses and loss of competitive advantage for the shipping firm.

Introduces the features of the C programming language, discusses data types, variables, operators, control flow, functions, pointers, arrays, and structures, and looks at the UNIX system interface

A useful quide to all the stages of the writing process. Effective Writing guides the writer through all the stages of the writing process: planning, critical thinking, generating and organizing ideas, writing the draft, revising, and designing for presentation. Throughout the text, Effective Writing stresses coherence, conciseness, and clarity as the most important qualities of the writing done by accountants. This edition includes many new and revised assignments that reinforce the concepts covered in the text, as well as coverage on ethics in communication.

Available energy resources -- Chemistry background -- Hydrogen production -- Hydrogen properties -- Hydrogen infrastructure and technology -- Batteries -- Fuel cell essentials -- Fuel cells applications

Effective Writing

Chicago Style for Students and Researchers

A Handbook for Accountants

9th International Conference of Z Users, Limerick, Ireland, September 7 - 9, 1995. Proceedings

ECOOP '95 - Object-Oriented Programming An Introduction to Gender and Sexual Privilege

For first year composition courses. Prentice Hall Reference Guide , Ninth Edition, is a tabbed, spiral-bound handbook is written to help all writers, including students who may not know proper terminology, quickly find the information they need. Teaching and Learning Experience This text will provide a better teaching and learning experience-for you and your students. It provides: · A series of "portals" in Tab 1, through which students can quickly find the answers to their writing, research, and grammar-related questions: Helps students at all levels of learning locate the help they need. · Tried and true advice at every stage of the writing process from instructors who have over 30 years of combined experience working with students: The text is written to students and speaks to them using language they can understand. · A compact, four-color design with spiral binding and tabs: Makes the book easy to use. 0321993071 / 9780321993076 Prentice Hall Reference Guide with NEW MyWritingLab with eText -- Access Card Package consists of: 0205870147 / 9780205870141 NEW MyWritingLab with Pearson eText --Valuepack Access Card 0321921313 / 9780321921314 Prentice Hall Reference Guide

Written expressly for hardware designers, this book presents a formal model of VHDL clearly specifying both the static and dynamic semantics of VHDL. It provides a mathematical framework for representing VHDL constructs and shows how those constructs can be formally manipulated to reason about VHDL.

This proceedings volume focuses on different aspects of environmental assessment, monitoring, and management of urban and technogenic soils. Soils of Urban, Industrial, Traffic, Mining and Military Areas (SUITMAs) differ substantially from their natural zonal counterparts in their physical, chemical and biological features, their performed functions, and supported services. This book discusses the monitoring, analysis and assessment of the effects of urbanization on soil functions and services. Further, it helps to find solutions to the environmental consequences of urbanization and discusses best management practices such as management and design of urban green infrastructure, waste management, water purification, and reclamation and remediation of contaminated soils in the context of sustainable urban development. The book includes thematic sections corresponding to 14 sessions of the SUITMA 9 congress, covering broad topics that highlight the importance of urban soils for society and environment and summarizing the lessons learned and existing methodologies in analyses, assessments, and modeling of anthropogenic effects on soils and the related ecological risks. This proceedings book appeals to scientists and students as well as practitioners in soil and environmental science, urban planning, geography and related disciplines, and provides useful information for policy makers and other stakeholders working in urban management and greenery.

&Quot; When you need fast, detailed answers about the Solaris Operating Environment, the manual pages aren't enough: you need Solaris 9 Operating Environment Reference. Award-winning technical writer Janice Winsor delivers over 1,600 pages of rock-solid information on 550+ commands, including over 100 new commands for IP networking, remote access, compression, printing, NIS, NFS, and more. Winsor also provides tested examples and clear, easy-to-understand explanations for the new LDAP-related commands, NCA (Network Cache Accelerator), PERL, RBAC (Role-Based Access Control), SSH, and Kerebos security commands. You'll find thorough descriptions, practical usage examples, and detailed reference tables - all organized for maximum accessibility and guick problem solving."--BOOK JACKET.

Seeing Straight

Prentice Hall Reference Guide with Mywritinglab with Etext -- Access Card Package

Selected Papers from the 9th Symposium on Aquatic Oligochaeta, 6-10 October 2003, Wageningen, The Netherlands

Catalog of Copyright Entries. Third Series

Guide to Federal Pharmacy Law FOSAD 2006/2007 Turtorial Lectures

The availability of isotopic varieties of the chemical elements has had a strong impact on many branches of science. For some procedures isotopic tracers make possible methods that are simply easier or more accurate or more convenient than other methods. More importantly, however, there are some processes, particularly those involving steady-state conditions, that before the advent of isotopic tracers were considered to be not accessible to investigation, but which can be studied with these tracers. In biological studies the radioactive tracers have been especially useful because external detection methods can be employed in noninvasive or minimally invasive studies.

This book constitutes the refereed proceedings of the 4th International Conference on Deductive and Object-Oriented Databases, DOOD '95, held in Singapore in December 1995. Besides two keynote papers by Stefano Ceri and Michael Kifer, the book contains revised full versions of 28 papers selected from a total of 88 submissions. The volume gives a highly competent state-of-the-art report on DOOD research and advanced applications. The papers are organized in sections on active databases, query processing, semantic query optimization, transaction management, authorization, implementation, and applications. The Health Care Manager's Legal Guide provides healthcare management students and professionals with a one-of-a-kind resource on successfully negotiating the legal pitfalls across healthcare s complex institutional and commercial

landscape. Healthcare managers today must tread carefully as never before to avoid legal issues. Grounded in the expert guidance of healthcare managers, health administration educators, and attorneys, The Health Care Manager's Legal Guide covers the numerous legal obstacles managers confront on a daily basis, from human resources and employee and patient privacy to disciplinary action and union organizing. The Health Care Manager's Legal Guide provides practical information on avoiding these and other common legal hazards encountered when managing a healthcare workforce. Using straightforward language, this book serves as an essential resource for aspiring and working healthcare managers. The Health Care Manager's Legal Guide features Practical legal guidance presented in easy-to-understand terms A minimum of legalese A review of the most important laws directly affecting healthcare managers Study and discussion questions in every chapter"

Cloud Computing: Business Trends and Technologies provides a broad introduction to Cloud computing technologies and their applications to IT and telecommunications businesses (i.e., the network function virtualization, NFV). To this end, the book is expected to serve as a textbook in a graduate course on Cloud computing. The book examines the business cases and then concentrates on the technologies necessary for supporting them. In the process, the book addresses the principles of - as well as the known problems with - the underlying technologies, such as virtualization, data communications, network and operations management, security and identity management. It introduces, through open-source case studies (based on OpenStack), an extensive illustration of lifecycle management. The book also looks at the existing and emerging standards, demonstrating their respective relation to each topic. Overall, this is an authoritative textbook on this emerging and still-developing discipline, which •Guides the reader through basic concepts, to current practices, to state-of-the-art applications. •Considers technical standards bodies involved in Cloud computing standardization. •Is written by innovation experts in operating systems and data communications, each with over 20 years' experience in business, research, and teaching.

Suggestions to Medical Authors and A.M.A. Style Book **Books a La Carte Edition**

Introduction to Hydrogen Technology

Supplement

TAPSOFT'97: Theory and Practice of Software Development

Seeing Straight introduces students to key concepts in gender and sexuality through the lens of privilege and power. The book addresses tough topics like hate, violence and privilege, and institutionalized heteronormativity. This book is an ideal introduction to gender and sexuality that encourages students to question their own assumptions.

For the ninth time now, the European Conference on Object-Oriented P- gramming provides a mid-summer gathering place for researchers, practitioners, students and newcomers in the field of object technology. Despite fierce c- petition from an increasing number of attractive conferences on object-related topics, ECOOP has successfully positioned itself as the premier European - ject technology conference. One reason is without doubt the composition of the conference week and the nature of its events. Running in parallel on the first two days, a comprehensive tutorial program and a very selective workshop program are offered to attendees. This is followed by a three-day technical p- gram organized in a single track providing a highly communicative atmosphere of scientific exchange and learning. Overlapping with these events are a two-day industrial exhibition and a two-day opportunity for non-industrial system dev- opers to demonstrate their software. Thus, ECOOP is not just a conference on programming but an event touching on the full spectrum of object technology. This volume constitutes the proceedings of the Ninth European Conference on Object-Oriented Programming, ECOOP, held in Aarhus, Denmark, August 7-11, 1995. Previous ECOOP conferences were held in Paris (France), Oslo (Norway), Nottingham (England), Ottawa (Canada, jointly with OOPSLA), Geneva (Switzerland), Utrecht (the Netherlands), Kaiserslautern

(Germany), and Bologna (Italy). Object technology continues to increase its impact on the corporate world. Transform your writing! If you're ready to empower your writing but are unsure of where to start, let Keys to Great Writing Revised and Expanded show you the way. Award-winning author and veteran writing coach Stephen Wilbers provides invaluable instruction on every aspect of the craft, from word choice and sentence structure to organization and revision. In this edition, you'll find: • Self-assessments to strengthen your goals, and approach your writing with confidence. • Practical and easy-to-understand techniques for utilizing economy, precision, action, music, and personality. • Helpful tips and techniques for the writing process, including advice on prewriting, drafting, revising, and proofreading. • Exercises, checklists, and more to refine your writing skills. For more than a decade, Keys to Great Writing has helped writers of all experience levels infuse their work with clarity, grace, and style. With the revised and expanded edition at your fingertips, you'll have the tools to invigorate your prose and develop a unique and effective voice.

This volume contains selected papers from the 9th Symposium on Aquatic Oligochaeta, 6–10 October 2003, Wageningen, The Netherlands. 18 contributions deal with the biology of aquatic oligochaetes, and represents a mixture of the fields of taxonomy, anatomy, morphology and physiology, life history, ecology, sludge studies and toxicology. This wide scope is in line with recent trends in oligochaete research, with a special interest in sludge studies.

Software Engineer's Reference Book

9th European Conference, Aarhus, Denmark, August 7 - 11, 1995. Proceedings

A Documentary and Reference Guide

Inst Revi Copy Pren Hall ISP

Foundations of Security Analysis and Design

ZUM '95: The Z Formal Specification Notation

This book presents the proceedings of the 9th International Conference of Z Users, ZUM '95, held in Limerick, Ireland in September 1995. The book contains 34 carefully selected papers on Z, using Z, applications of Z, proof, testing, industrial usage, object orientation, animation of specification, method integration, and teaching formal methods. Of particular interest is the inclusion of an annotated Z bibliography listing 544 entries. While focussing on Z, by far the most commonly used "formal method" both in industry and application, the volume is of high relevance for the whole formal methods community.

The increasing relevance of security to real-life applications, such as electronic commerce, is attested by the fast-growing number of research groups, events, conferences, and summer schools that are studying it. This book presents thoroughly revised versions of eight tutorial lectures given by leading researchers during two International Schools on Foundations of Security Analysis and Design, FOSAD 2006/2007, held in Bertinoro, Italy, in September 2006 and September 2007.

Through the use of primary source documents, readers can learn about key opinions and legislation in the important field of animal rights and welfare—a current and highly relevant topic. • Provides extensive coverage of a variety of topics, ranging from historic events and information to the latest developments in the field of animal rights and welfare—a current and highly relevant topic. • Provides extensive coverage of a variety of topics, ranging from historic events and information to the latest developments in the field of animal rights and welfare—a current and highly relevant topic. • Provides extensive coverage of a variety of topics, ranging from historic events and information to the latest developments in the field of animal rights and welfare—a current and highly relevant topic. • Provides extensive coverage of a variety of topics, ranging from historic events and information to the latest developments in the field of animal rights and welfare—a current and highly relevant topic. • Provides extensive coverage of a variety of topics, ranging from historic events and information to the latest developments in the field of animal rights and welfare—a current and highly relevant topic. • Provides extensive coverage of a variety of topics, ranging from historic events and information to the latest developments in the field of animal rights and welfare—a current and highly relevant topic. • Provides extensive coverage of a variety of topics, ranging from historic events and information to the latest developments in the field of animal rights and welfare—a current and highly relevant topics. • Offers primary source material—such as the Wild Horse Annie Act of 1959—that enables readers to review the exact text of important legislation • Gives readers to a topic animal rights and welfare—a current source material—such as the Wild Horse Annie Act of 1959—that enables readers to review the exact text of important legislation • Gives readers to a topic animal rights and welfare—a current source material—such as

Includes Part 1, Number 2: Books and Pamphlets, Including Serials and Contributions to Periodicals July - December)

1964: July-December

Mine Rescue Manual

The Executive Guide to E-mail Correspondence

Keys to Great Writing Revised and Expanded

Mywritinglab with Pearson Etext -- Standalone Access Card -- For Prentice Hall Reference Guide

Solaris 9 Operating Environment Reference

Prentice Hall Reference GuideLongman Publishing Group

For first year composition courses. Prentice Hall Reference Guide, Ninth Edition, is a tabbed, spiral-bound handbook is written to help all writers, including students who may not know proper terminology, quickly find the information they need. Teaching and Learning Experience This text will provide a better teaching and learning experience-for you and your students. It provides: · A series of "portals" in Tab 1, through which students can quickly find the answers to their writing, research, and grammar-related questions: Helps students at all levels of learning locate the help they need. · Tried and true advice at every stage of the writing process from instructors who have over 30 years of combined experience working with students: The text is written to students and speaks to them using language they can understand. · A compact, four-color design with spiral binding and tabs: Makes the book easy to use.

0321993071 / 9780321993076 Prentice Hall Reference Guide with NEW MyWritingLab with eText -- Access Card Package Package consists of: 0205870147 / 9780205870141 NEW MyWritingLab with Pearson eText -- Valuepack Access Card 0321921313 / 9780321921314 Prentice Hall Reference Guide

Including Dozens of Model Letters for Every Situation

Animal Rights and Welfare: A Documentary and Reference Guide

Business Trends and Technologies

Mastering the Elements of Composition and Revision

Compartmental Distribution Of Radiotracers

Proceedings of the 2nd European Simulation (

Proceedings of the 2nd European Simulation Congress, Sept. 9-12, 1986, The Park Hotel, Antwerp, Belgium