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KEY=PDF - SIMS SANTOS

Security in Computing Pearson Education India **Think Python How to Think Like a Computer Scientist** "O'Reilly Media, Inc." If you want to learn how to program, working with Python is an excellent way to start. This hands-on guide takes you through the language a step at a time, beginning with basic programming concepts before moving on to functions, recursion, data structures, and object-oriented design. This second edition and its supporting code have been updated for Python 3. Through exercises in each chapter, you'll try out programming concepts as you learn them. Think Python is ideal for students at the high school or college level, as well as self-learners, home-schooled students, and professionals who need to learn programming basics. Beginners just getting their feet wet will learn how to start with Python in a browser. Start with the basics, including language syntax and semantics Get a clear definition of each programming concept Learn about values, variables, statements, functions, and data structures in a logical progression Discover how to work with files and databases Understand objects, methods, and object-oriented programming Use debugging techniques to fix syntax, runtime, and semantic errors Explore interface design, data structures, and GUI-based programs through case studies **Modern Algebra (Abstract Algebra)** Krishna Prakashan Media **Multimedia over IP and Wireless Networks Compression, Networking, and Systems** Elsevier Multimedia over IP and Wireless Networks is an indispensable guide for professionals or researchers working in areas such as networking, communications, data compression, multimedia processing, streaming architectures, and computer graphics. Beginning with a concise overview of the fundamental principles and challenges of multimedia communication and networking, this book then branches off organically to tackle compression and networking next before moving on to systems, wireless multimedia and more advanced topics. The Compression section advises on the best means and methodology to ensure multimedia signal (images, text, audio and data) integrity for transmissions on wireless and wired systems. The Networking section addresses channel protection and performance. In the Systems section, the focus is on streaming media on demand, live broadcast and video and voice's role in real-time communication. Wireless multimedia transmission and Quality of Service issues are discussed in the Wireless Multimedia section. An Advanced Topics section concludes the book with an assortment of topics including Peer-to-Peer multimedia communication and multipath networks. Up-to-date coverage of existing standards for multimedia networking Synergistic tutorial approach reinforces knowledge gained in previous chapters Balanced treatment of audio and video with coverage of end-to-end systems **Mathematics for Degree Students (For B.Sc. Second Year)** S. Chand Publishing Bmh 201(A&B) Advanced Calculus Bmh 202 (A&B) Differential Equations Bmh 203 (A&B) Mechanics **Fundamentals of Multimedia** Springer Science & Business Media This textbook introduces the "Fundamentals of Multimedia", addressing real issues commonly faced in the workplace. The essential concepts are explained in a practical way to enable students to apply their existing skills to address problems in multimedia. Fully revised and updated, this new edition now includes coverage of such topics as 3D TV, social networks, high-efficiency video compression and conferencing, wireless and mobile networks, and their attendant technologies. Features: presents an overview of the key concepts in multimedia, including color science; reviews lossless and lossy compression methods for image, video and audio data; examines the demands placed by multimedia communications on wired and wireless networks; discusses the impact of social media and cloud computing on information sharing and on multimedia content search and retrieval; includes study exercises at the end of each chapter; provides supplementary resources for both students and instructors at an associated website. **Drug Abuse Handbook, Second Edition** CRC Press Following the well-received first edition, the Drug Abuse Handbook, Second Edition is a thorough compendium of the knowledge of the pharmacological, medical, and legal aspects of drugs. The book examines criminalistics, pathology, pharmacokinetics, neurochemistry, treatment, as well as drugs and drug testing in the workplace and in sports, and the ethical, legal, and practical issues involved. Dr. Karch gathers contributions from 80 leading experts in their respective fields to update and revise this second edition with more than 40 percent new material. New topics include genetic testing in drug death investigation, the neurochemistry of nicotine and designer amphetamines, genetic doping in sports, and the implications of the Daubert ruling on the admissibility of scientific evidence in federal court. Packed with the latest information in an easily accessible format, the book includes tables of all Scheduled Drugs, methods of Drug Quantitative Analysis, and a glossary of forensic toxicology terms. Vivid pictures and diagrams illustrate the pathological effects of drugs and the chemical make-up and breakdown of abused drugs. It includes more than 6000 references to the best sources in medicine, pharmacology, and the law. This book addresses specific problems in drug testing, drug-related medical emergencies, and the physical, neurochemical, and sociological phenomenon of addiction. With unparalleled detail and the highest level of authoritative information, The Drug Abuse Handbook, Second Edition is the definitive resource for drug related issues. **Elements of Set Theory** Academic Press This is an introductory undergraduate textbook in set theory. In mathematics these days, essentially everything is a set. Some knowledge of set theory is necessary part of the background everyone needs for further study of mathematics. It is also possible to study set theory for its own interest--it is a subject with intriguing results about simple objects. This book starts with material that nobody can do without. There is no end to what can be learned of set theory, but here is a beginning. **Big Data Processing Using Spark in Cloud** Springer The book describes the emergence of big data technologies and the role of Spark in the entire big data stack. It compares Spark and Hadoop and identifies the shortcomings of Hadoop that have been overcome by Spark. The book mainly focuses on the in-depth architecture of Spark and our understanding of Spark RDDs and how RDD complements big data's immutable nature, and solves it with lazy evaluation, cacheable and type inference. It also addresses advanced topics in Spark, starting with the basics of Scala and the core Spark framework, and exploring Spark data frames, machine learning using Mlib, graph analytics using Graph X and real-time processing with Apache Kafka, AWS Kinesis, and Azure Event Hub. It then goes on to investigate Spark using PySpark and R. Focusing on the current big data stack, the book examines the interaction with current big data tools, with Spark being the core processing layer for all types of data. The book is intended for data engineers and scientists working on massive datasets and big data technologies in the cloud. In addition to industry professionals, it is helpful for aspiring data processing professionals and students working in big data processing and cloud computing environments. **Neo-Segregation at Yale** The Supreme Court's 1954 decision in *Brown v. Board of Education* and the reinvigorated Civil Rights Movement spurred American colleges and universities by the early 1960s to a good-faith effort to achieve racial integration. To overcome the shortage of black students who were prepared for elite academic programs, universities such as Yale began to admit substantial numbers of under-qualified black students. Disaster ensued. More than a third of these students dropped out in the first year and those who remained were often embittered by the experience. They turned to each other for support and found inspiration in black nationalism. What emerged by the late sixties were radical and sometimes militant black groups on campus, rejecting the ideal of racial integration and voicing a new separatist ethic. On campus after campus, black separatists won concessions from administrators who were afraid of further alienating blacks. The pattern of college administrators rolling over to black separatist demands came to dominate much of American higher education. The old integrationist ideal has been sacrificed almost entirely. Instead of offering opportunities for students to mix freely with students of dissimilar backgrounds, colleges promote ethnic enclaves, stoke racial resentment, and build organizational structures on the basis of group grievance. Neo-segregation is the voluntary racial segregation of students, aided by college institutions, into racially exclusive housing and common spaces, orientation and commencement ceremonies, student associations, scholarships, and classes. This case study of Yale University is part of a larger project from the National Association of Scholars, *Separate but Equal*. Again: Neo-Segregation in American Higher Education. The Yale case study explains: 1) Yale's attempt to deal with the academic deficiencies of black students alternately by segregating them into remedial programs or mainstreaming them into programs they couldn't handle. 2) The readiness of black students to adopt race nationalist ideas and theatrics in preference to the ideals of racial integration. 3) Yale's willingness to buy temporary racial peace on campus by conceding to segregationist demands, even when this meant sacrificing academic standards and principles of equal application of rules regardless of race. **Principles of Digital Transmission With Wireless Applications** Springer Science & Business Media Principles of Digital Transmission is designed for advanced undergraduate and graduate level students and professions in telecommunications. Teachers and learners can mix and match chapters to create four distinct courses: (1) a one-term basic course in digital communications; (2) a one-term course in advanced digital communications; (3) a one-term course in information theory and coding; (4) a two-term course sequence in digital communications and coding. The book provides rigorous mathematical tools for the analysis and design of digital transmission systems. The authors emphasize methodology in their aim to teach the reader how to do it rather than how it is done. They apply the fundamental tools of the discipline onto a number of systems, such as wireless data transmission systems. **Exploring Python Pay-Per-Click Search Engine Marketing An Hour a Day** John Wiley & Sons **Artificial Intelligence** Cambridge University Press Artificial Intelligence presents a practical guide to AI, including agents, machine learning and problem-solving simple and complex domains. **PHP Object-Oriented Solutions** Apress With the surge of popularity of PHP 5, object-oriented programming is now an important consideration for PHP developers. This version-neutral book is a gentle introduction to object-oriented programming (OOP) that won't overburden you with complex theory. It teaches you the essential basics of OOP that you'll need to know before moving onto a more advanced level, and includes a series of prepackaged scripts that you can incorporate into your existing sites with the minimum of effort. It shows how object-oriented programming can be used to create reusable and portable code by walking you through a series of simple projects. The projects feature the sorts of things developers run up against every day, and include a validator for filtering user input, a simple Date class that avoids the need to remember all the esoteric format codes in PHP, and an XML generator. Teaches the fundamentals of OOP Simple projects show how OOP concepts work in the real world Prepackaged scripts can easily be added to your own projects **Understanding NMR Spectroscopy** John Wiley & Sons This text is aimed at people who have some familiarity with high-resolution NMR and who wish to deepen their understanding of how NMR experiments actually 'work'. This revised and updated edition takes the same approach as the highly-acclaimed first edition. The text concentrates on the description of commonly-used experiments and explains in detail the theory behind how such experiments work. The quantum mechanical tools needed to analyse pulse sequences are introduced set by step, but the approach is relatively informal with the emphasis on obtaining a good understanding of how the experiments actually work. The use of two-colour printing and a new larger format improves the readability of the text. In addition, a number of new topics have been introduced: How product operators can be extended to describe experiments in AX2 and AX3 spin systems, thus making it possible to discuss the important APT, INEPT and DEPT experiments often used in carbon-13 NMR. Spin system analysis i.e. how shifts and couplings can be extracted from strongly-coupled (second-order) spectra. How the presence of chemically equivalent spins leads to spectral features which are somewhat unusual and possibly misleading, even at high magnetic fields. A discussion of chemical exchange effects has been introduced in order to help with the explanation of transverse relaxation. The double-quantum spectroscopy of a three-spin system is now considered in more detail. Reviews of the First Edition "For anyone wishing to know what really goes on in their NMR experiments, I would highly recommend this book" - Chemistry World "...I warmly recommend for budding NMR spectroscopists, or others who wish to deepen their understanding of elementary NMR theory or theoretical tools" - Magnetic Resonance in Chemistry **Basic Electronics Solid State** S. Chand Publishing Aims of the Book: The foremost and primary aim of the book is to meet the requirements of students pursuing following courses of study: 1. Diploma in Electronics and Communication Engineering (ECE)-3-year course offered by various Indian and foreign polytechnics and technical institutes like city and guilds of London Institute (CGLI). 2. B.E. (Elect. & Comm.)-4-year course offered by various Engineering Colleges. Efforts have been made to cover the papers: Electronics-I & II and Pulse and Digital Circuits. 3. B.Sc. (Elect.)-3-Year vocationalised course recently introduced by Approach. **Internet & World Wide Web How to Program** For a wide variety of Web Programming, HTML, and JavaScript courses found in Computer Science, CIS, MIS, IT, Business, Engineering, and Continuing Education departments. Also appropriate for an introductory programming course (replacing traditional programming languages like C, C++ and Java) for schools wanting to integrate the Internet and World Wide Web into their curricula. The revision of this groundbreaking book in the Deitels' How to Program series offers a thorough treatment of programming concepts, with programs that yield visible or audible results in Web pages and Web-based applications. The book discusses effective Web-page design, server- and client-side scripting, ActiveX(R) controls and the essentials of electronic commerce. Internet & World Wide Web How to Program also offers an alternative to traditional introductory programming courses. The fundamentals of programming no longer have to be taught in languages like C, C++ and Java. With Internet/Web markup languages (such as HTML, Dynamic HTML and XML) and scripting languages (such as JavaScript(R), VBScript(R) and Perl/CGI), you can teach the fundamentals of programming wrapped in the Web-page metaphor. **Observational Astrophysics** Cambridge University Press Combining a critical account of observational methods (telescopes and instrumentation) with a lucid description of the Universe, including stars, galaxies and cosmology, Smith provides a comprehensive introduction to the whole of modern

astrophysics beyond the solar system. The first half describes the techniques used by astronomers to observe the Universe: optical telescopes and instruments are discussed in detail, but observations at all wavelengths are covered, from radio to gamma-rays. After a short interlude describing the appearance of the sky at all wavelengths, the role of positional astronomy is highlighted. In the second half, a clear description is given of the contents of the Universe, including accounts of stellar evolution and cosmological models. Fully illustrated throughout, with exercises given in each chapter, this textbook provides a thorough introduction to astrophysics for all physics undergraduates, and a valuable background for physics graduates turning to research in astronomy. **Murach's Python Programming (2nd Edition)** If you want to learn how to program but don't know where to start, this is the right book and the right language for you. From the first page, our self-paced approach will help you build competence and confidence in your programming skills. And Python is the best language ever for learning how to program because of its simplicity and breadth of features that are hard to find in a single language. But this isn't just a book for beginners! Our self-paced approach also works for experienced programmers, helping you learn Python faster and better than you've ever learned a language before. By the time you're through, you will have mastered the key Python skills that are needed on the job, including those for object-oriented, database, and GUI programming. To make all of this possible, section 1 presents an 8-chapter course that will get anyone off to a great start with Python. Section 2 builds on that base by presenting the other essential skills that every Python programmer should have. Section 3 shows you how to develop object-oriented programs, a critical skillset in today's world. And section 4 shows you how to apply all of the skills that you've already learned as you build database and GUI programs for the real world. **Astrophysics Stars and Galaxies** Universities Press This Book Introduces The Subject Of Astrophysics To Honours And Post-Graduate Students Of Physics, Without The Necessity Of Their Being Familiar With All The Practical Details Of Modern Astronomical Techniques Of Observation And Deduction Of Data. The Emphasis Is On Showing How An Application Of The Commonly Known Laws Of Physics Gives Us Important Information About The Properties Of Celestial Objects And Phenomena. **Non-Conventional Energy Resources** New Age International This Book Discusses The Developments In The Field Of Non-Conventional Energy Resources And Their Applications. The Topics Are Fully Covered So That The Students Of B. Tech May Use For Their Elective Courses Such As Non-Conventional Energy Resources, Renewable Energy And Solar Energy Engg. The Topics Are: Solar Radiation, Solar Energy Collectors, Energy Resources, Solar Cell, Mhd Power Generator, Wind Energy, Biomass, Otec, Tidal And Wave Energy, Hydrogen Energy, Micro Hydel Power And Storage Of Solar Energy. **MATH 221 FIRST Semester Calculus** MATH 221 FIRST Semester Calculus By Sigurd Angenent **The Complete Guide to Affiliate Marketing on the Web How to Use and Profit from Affiliate Marketing Programs** Atlantic Publishing Company Affiliate marketing is a highly profitable online advertising method in which Web site merchants pay independent third parties to promote the products or services of an advertiser on their Web site. In other words, affiliate marketing involves posting a company's banner on your Web site or blog and attempting to send visitors to their Web site. If someone clicks on that banner or goes to that site and buys something, you will be paid a commission. Affiliate marketing is now viewed as a key component of a company's online marketing strategy. In this new book you will learn how to master the art and science behind affiliate marketing. The keys to success in affiliate marketing are knowing what you are doing, devising a comprehensive and well-crafted advertising plan, and knowing the relationships between your Web site, search engines, PPC advertising, and campaign methodology. This exhaustively researched new book will provide everything you need to know to get you started.--From publisher description. **A Textbook of Applied Electronics** S. Chand Publishing The present book has been thoroughly revised and a lot of useful material has been added. Several photographs of electronic devices and their specifications sheets have been included. This will help the students to have a better understanding of the electronic devices and circuits from application point of view. The mistakes and misprints, which have crept in, have been eliminated in this edition. **Practical Internet Security** Springer Science & Business Media As organizations today are linking their systems across enterprise-wide networks and VPNs as well as increasing their exposure to customers, competitors, browsers and hackers on the Internet, it becomes increasingly imperative for Web professionals to be trained in techniques for effectively protecting their sites from internal and external threats. Each connection magnifies the vulnerability to attack. With the increased connectivity to the Internet and the wide availability of automated cracking tools, organizations can no longer simply rely on operating system security to protect their valuable corporate data. Furthermore, the exploding use of Web technologies for corporate intranets and Internet sites has escalated security risks to corporate data and information systems. Practical Internet Security reveals how the Internet is paving the way for secure communications within organizations and on the public Internet. This book provides the fundamental knowledge needed to analyze risks to a system and to implement a security policy that protects information assets from potential intrusion, damage, or theft. It provides dozens of real-life scenarios and examples, as well as hands-on instruction in securing Web communications and sites. You will learn the common vulnerabilities of Web sites; as well as, how to carry out secure communications across unsecured networks. All system administrators and IT security managers will find this book an essential practical resource. **Fundamentals of Mathematical Statistics** Sultan Chand & Sons Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a thorough revision but rather a substantial rewriting. They now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Knowledge updating is a never-ending process and so should be the revision of an effective textbook. The book originally written fifty years ago has, during the intervening period, been revised and reprinted several times. The authors have, however, been thinking, for the last few years that the book needed not only a thorough revision but rather a substantial rewriting. They now take great pleasure in presenting to the readers the twelfth, thoroughly revised and enlarged, Golden Jubilee edition of the book. The subject-matter in the entire book has been re-written in the light of numerous criticisms and suggestions received from the users of the earlier editions in India and abroad. The basis of this revision has been the emergence of new literature on the subject, the constructive feedback from students and teaching fraternity, as well as those changes that have been made in the syllabi and/or the pattern of examination papers of numerous universities. Some prominent additions are given below: 1. Variance of Degenerate Random Variable 2. Approximate Expression for Expectation and Variance 3. Lyapounov's Inequality 4. Holder's Inequality 5. Minkowski's Inequality 6. Double Expectation Rule or Double-E Rule and many others **Powering Content Building a Nonstop Content Marketing Machine** "O'Reilly Media, Inc." Your new product is ready to launch and you're itching to tell potential customers all about it. But how do you make your message stand out above all the noise and marketing clutter? Take the guesswork out of content management with this hands-on guide. You'll learn how to produce and manage powerful content pieces that speak directly to customers and compel them to respond. Author Laura Busche walks you through content strategies and tactics drawn from business, design, and psychology insights. Packed with examples and exercises, this book teaches you how to tell your story with engaging copy, potent images, and striking design—all carefully orchestrated through well-oiled production management. Solopreneurs, startups, marketing managers, and execs will learn 10 Essential Steps to Content Success, with deep dives into: Content strategy: understand your audience, choose and prioritize channels, and find your brand's core themes, voice, and tone Content creation: craft an engaging experience with content formats and copywriting formulas and templates Content management: organize, delegate, and supervise tasks; optimize the content production process to reuse successful patterns **Discrete Mathematics An Open Introduction** Note: This is the 3rd edition. If you need the 2nd edition for a course you are taking, it can be found as a "other format" on amazon, or by searching its isbn: 1534970746 This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern Colorado. This course serves both as an introduction to topics in discrete math and as the "introduction to proof" course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and graph theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 470 exercises, including 275 with solutions and over 100 with hints. There are also Investigate! activities throughout the text to support active, inquiry based learning. While there are many fine discrete math textbooks available, this text has the following advantages: It is written to be used in an inquiry rich course. It is written to be used in a course for future math teachers. It is open source, with low cost print editions and free electronic editions. This third edition brings improved exposition, a new section on trees, and a bunch of new and improved exercises. For a complete list of changes, and to view the free electronic version of the text, visit the book's website at discrete.openmathbooks.org **ADO Programming in Visual Basic 6** Prentice Hall Ptr The first comprehensive, start-to-finish ADO tutorial will give experienced VB developers true mastery over ADO. The book is filled with examples, tips and solutions to database access problems from cover to cover. Readers will master the ADO object model from start to finish--and learn how to use ADO to get high-performance access to data. **Object-Oriented PHP Concepts, Techniques, and Code** No Starch Press Presents an introduction to PHP and object-oriented programming, with information on such topics as classes, inheritance, RSS readers, and XML. **Programming in Java** The second edition of Programming in Java confirms to Java Standard Edition 7, the latest release since Oracle took over Sun Microsystems. It is significant in the sense that the last update was six years back and this major release comes bundled with plenty of enhancements which were overdue. To list a few noticeable enhancements, Java 7 includes support for strings in switch statements, try-with-resources statement, improved multi-catch, binary numeric literals, numeric literals with underscores, new APIs in NIO like Path and Files, automatic resource management, and much more. The second edition presents all these new topics with suitable examples. This second edition is not just about the enhancements introduced in Java 7; practically every chapter has been revisited to refine the text as much as possible with new example codes and greater topical coverage. **Meow Libs World's Greatest Word Game** Penguin Calling all cat lovers! Our newest original Mad Libs features 21 silly stories all about our furry feline friends! At only \$3.99, you can buy one for yourself and all 27 of your cats! **Principles of Electronics** Pearson College Division One of the most comprehensive, clearly written books on electronic technology, Simpon's invaluable guide offers a concise and practical overview of the basic principles, theorems, circuit behavior and problem-solving procedures of this intriguing and fast-paced science. Examines a broad spectrum of topics, such as atomic structure, Kirchhoff's laws, energy, power, introductory circuit analysis techniques, Thevenin's theorem, the maximum power transfer theorem, electric circuit analysis, magnetism, resonance semiconductor diodes, electron current flow, and much more. Smoothly integrates the flow of material in a nonmathematical format without sacrificing depth of coverage or accuracy to help readers grasp more complex concepts and gain a more thorough understanding of the principles of electronics. Includes many practical applications, problems and examples emphasizing troubleshooting, design, and safety to provide a solid foundation in the field of electronics. An ideal reference source for electronic engineering technicians and those involved in the electronic technology field. **Introduction to Atomic Spectra Digital Transmission Theory** Prentice Hall **WIRELESS AND MOBILE NETWORK ARCHITECTURES** John Wiley & Sons Market_Desc: · Communications Engineers· Network Architects· Network Managers· Consultants· Software Engineers · Senior Undergraduate and Graduate Students Special Features: · Wireless and mobile market is quickly emerging and growing· Network architects and engineers need a comprehensive integration manual· The level and scope of the book is appropriate for decision-makers and network managers· Covers network integration of all 3rd generation mobile and wireless technologies About The Book: This is a comprehensive book that guides the network designers, engineers, managers, and consultants in the rebuilding and successful deployment of the devices over the new network. Dr. Yi-Bing Lin provides the perfect solution through this expansive guide. He is recognized as one of the top experts in mobile and wireless network architectures worldwide and his co-author is recognized as a close second. **Object Oriented PHP** Most PHP developers have a clear understanding of what technical debt looks like and the business necessity of having resilient and reliable code. With the release of PHP 7, the Object-Oriented language features of PHP have matured significantly. This book seeks to discuss how you can use Object-Oriented PHP now. In order to rapidly deliver value through software, your codebase needs to be resilient to the forces of change. This book will guide you through using Object-Orientation in modern PHP to deliver a reliable and reusable code throughout the design, development and construction phases. Whether working on a brand new codebase or refactoring existing code, this book will discuss the patterns to ensuring your codebase is resilient and reliable for years to come. **Perspective of Modern Physics PHP 5.1 for Beginners** The book has been written to provide genuine domain knowledge to programmers who wish to learn web based, application development, using object oriented PHP 5.1 as the programming environment. IIS and Apache as the web servers of choice. With a clutch of DBMS as the data store underlay for the applications developed. All run on M.S. Windows and Linux. These are today's programming environments of choice.