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Metastability Anton Bovier 2016-02-11 This monograph provides a concise presentation of a mathematical approach to metastability, a wide-spread phenomenon in the dynamics of non-linear systems - physical, chemical, biological or economic - subject to the action of temporal random forces typically referred to as noise, based on potential theory of reversible Markov processes. The authors shed new light on the metastability phenomenon as a sequence of visits of the path of the process to different metastable sets, and focuses on the precise analysis of the respective hitting probabilities and hitting times of these sets. The theory is illustrated with many examples, ranging from finite-state Markov chains, finite-dimensional diffusions and stochastic partial differential equations, via mean-field dynamics with and without disorder, to stochastic spin-flip and particle-hop dynamics and probabilistic cellular automata, unveiling the common universal features of these systems with respect to their metastable behaviour. The monograph will serve both as comprehensive introduction and as reference for graduate students and researchers interested in metastability.

Non-Smooth Dynamical Systems Markus Kunze 2007-05-06 The book provides a self-contained introduction to the mathematical theory of non-smooth dynamical problems, as they frequently arise from mechanical systems with friction and/or impacts. It is aimed at applied mathematicians, engineers, and applied scientists in general who wish to learn the subject.

Web Graphics Tools and Techniques Peter Kentie 1997 "Web Graphics Tools and Techniques" provides an indispensable resource for Website creators, teaching basic HTML coding, introducing scores of tools, explaining advanced techniques, and at all times bringing the discussion to life with hundreds of visually exciting full-color illustrations. Anyone seeking to get up to speed on the technology of Website creation will find this book a pleasure to browse.

Algebra of Communicating Processes Alban Ponse 2012-12-06 ACP, the Algebra of Communicating Processes, is an algebraic approach to the study of concurrent processes, initiated by Jan Bergstra and Jan Will em Klop in the early eighties. These proceedings comprise the contributions to ACP94, the first workshop devoted to ACP. The work shop was held at Utrecht University, 16-17 May 1994. These proceedings are meant to provide an overview of current research in the area of ACP. They contain fifteen contributions. The first one is a classical paper on ACP by J.A. Bergstra and J.W. Klop: The Algebra of Recursively Defined Processes and the Algebra of Regular Processes, Report IW 235/83, Mathematical

Centre, Amsterdam, 1983. It serves as an introduction to the remainder of the proceedings and, indeed, as a general introduction to ACP. An extended abstract of this paper is published under the same title in the ICALP' 84 proceedings. Of the remaining contributions, three were submitted by the invited speakers and the others were selected by the programme committee. As for the presentations, Jos Baeten, Rob van Glabbeek, Jan Friso Groote, and Frits Vaandrager were each invited to deliver a lecture. A paper relating to Frits Vaandrager's lecture has already been submitted for publication elsewhere and is not, therefore, included in these proceedings. Gabriel Ciobanu, one of our guests, gave an impression of his work in an extra lecture. Furthermore, ten presentations were given on the basis of selected papers.

Aquatic Microbial Ecology Jürgen Overbeck 2012-12-06 Aquatic microbial ecology, a growing interdisciplinary field, has become increasingly compartmentalized in recent years. The aim of this volume is to propose a framework for biochemical and molecular approaches, which are employed ever more widely in studies of aquatic microbial communities and ecosystem functioning. The book presents state of the art applications of modern molecular research techniques to a range of topics in ectoenzymes microbial carbon metabolism bacterial population dynamics RNA chemotaxonomy of microbial communities plasmids and adaptation to environmental conditions. Written for limnologists, marine biologists, and all researchers interested in environmental microbiology and molecular aspects of ecology, this volume will provide a stimulating introduction to this emerging field.

Python Cookbook Alex Martelli 2005-03-18 Portable, powerful, and a breeze to use, Python is the popular open source object-oriented programming language used for both standalone programs and scripting applications. It is now being used by an increasing number of major organizations, including NASA and Google. Updated for Python 2.4, The Python Cookbook, 2nd Edition offers a wealth of useful code for all Python programmers, not just advanced practitioners. Like its predecessor, the new edition provides solutions to problems that Python programmers face everyday. It now includes over 200 recipes that range from simple tasks, such as working with dictionaries and list comprehensions, to complex tasks, such as monitoring a network and building a templating system. This revised version also includes new chapters on topics such as time, money, and metaprogramming. Here's a list of additional topics covered: Manipulating text Searching and sorting Working with files and the filesystem Object-oriented programming Dealing with threads and processes System

administration Interacting with databases Creating user interfaces Network and web programming Processing XML Distributed programming Debugging and testing Another advantage of The Python Cookbook, 2nd Edition is its trio of authors--three well-known Python programming experts, who are highly visible on email lists and in newsgroups, and speak often at Python conferences. With scores of practical examples and pertinent background information, The Python Cookbook, 2nd Edition is the one source you need if you're looking to build efficient, flexible, scalable, and well-integrated systems.

Facsimile Products 1979

Human Gene Therapy 1984

Python Web Programming Steve Holden 2002 A Python community leader teaches professionals how to integrate web applications with Python.

New Directions in Statistical Data Analysis and Robustness Stephan Morgenthaler 1993 The book serves as an insightful and useful companion for students interested in research or scientists who want to learn about modern developments in the field of data analysis.

Advanced Information Systems Engineering Panos Constantopoulos 1996-05-03 This book presents the refereed proceedings of the 8th International Conference on Advanced Information Systems Engineering, CAiSE '96, held in Herakleion, Crete, Greece, in May 1996. The 30 revised full papers included in the book were selected from a total of some 100 submissions. The book is organised in sections on CASE environments, temporal and active database technologies, experience reports, interoperability in information systems, formal methods in system development, novel architectures, workflow management and distributed information systems, information modelling, object-oriented database design, and semantic links and abstraction.

Grace Harlowe's Problem Jessie Graham Flower 2007-11-01 The adventures through which Grace Harlowe and her friends pass in the course of these stories are told with a feel for character and adventure which will thrill readers of all ages. Part of the "High School Girls" series.

Ada 95 David A. Wheeler 2012-12-06 Lovelace provides an introduction to Ada 95, one of the most widely used programming languages in the world. Although the reader is assumed to have a basic understanding of programming, no prior exposure to Ada is assumed and all the basics of the language are covered. The book comprises eighteen chapters each of which is composed of short sections designed to cover a small number of key concept and to provide a test question to check the reader's understanding of the concepts covered. Each chapter then concludes with a small quiz to help ensure that the reader has grasped the principles covered in the chapter. One of Ada 95's new features, its object-oriented facilities, is covered in depth, and all of the essential features of Ada programming are covered thoroughly. In Ada 95 significant enhancements were also added to Ada's ability to interface with other programming languages (such as C, Fortran, and Cobol) and these are covered in one chapter. As a result both students and professional programmers learning Ada for the

first time will welcome this new text.

Multivariate Dependencies D.R. Cox 2014-07-22 Large observational studies involving research questions that require the measurement of several features on each individual arise in many fields including the social and medical sciences. This book sets out both the general concepts and the more technical statistical issues involved in analysis and interpretation. Numerous illustrative examples are described in outline and four studies are discussed in some detail. The use of graphical representations of dependencies and independencies among the features under study is stressed, both to incorporate available knowledge at the planning stage of an analysis and to summarize aspects important for interpretation after detailed statistical analysis is complete. This book is aimed at research workers using statistical methods as well as statisticians involved in empirical research.

Electronic Publishing '92 C. Vanoirbeek 1992-04-30 This book is about a very active area of electronic publishing involving both academia and industry.

User Mode Linux Jeff Dike 2006-04-12 With User Mode Linux you can create virtual Linux machines within a Linux computer and use them to safely test and debug applications, network services, and even kernels. You can try out new distributions, experiment with buggy software, and even test security. Now, for the first time, the creator and maintainer of User Mode Linux shows how to put it to work hands-on. Jeff Dike covers everything from getting started through running enterprise-class User Mode Linux servers. You'll find authoritative advice on bootup, compilation, administration, specialized configurations, and much more. Coverage includes What User Mode Linux is, how it works, and its uses in Linux networks Key applications, including server consolidation, development, and disaster recovery Booting and exploration: logins, consoles, swap space, partitioned disks, and more Copy-On-Write (COW): UML's efficient approach to storing filesystem changes In-depth discussion of User Mode Linux networking and security Centrally managing User Mode Linux instances, and controlling their hardware resources Implementing clusters and other specialized configurations Setting up User Mode Linux servers, step-by-step: small-scale and large-scale examples The future of virtualization and User Mode Linux Whether you're a netadmin, sysadmin, teacher, student, or programmer, User Mode Linux® --the technology and this book--is indispensable.

Cortex: Statistics and Geometry of Neuronal Connectivity Valentino Braitenberg 2013-03-14 By means of quantitative analysis of the tissue components in the cortex of the mouse, this book presents an overall picture of the cortical network which is then related to various theories on cortical function. Centering around the idea of a diffuse network in a fairly homogeneous population of excitatory neurons, that of the pyramidal cells, it shows that the whole organisation in the cortical skeleton of pyramidal cells corresponds well with the idea of an associative memory and with the theory of cell assemblies. Provides the reader with information on quantitative neuroanatomy and also on the methods used, in particular those that vary from the norm.

IEEE Standard Portable Operating System Interface for Computer Environments Institute of Electrical and Electronics Engineers 1988 General literature -- Reference.