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| 1. | Record Nr. | UNINA9910143581403321 |
| | Autore | Etten Wim van |
| | Titolo | Introduction to random signals and noise / / Wim C. van Etten |
| | Pubbl/distr/stampa | Chichester, England ; ; Hoboken, NJ, : Wiley, c2005 |
| | ISBN | 1-280-33964-0 |
| | | 9786610339648 |
| | | 0-470-02413-5 |
| | | 0-470-02412-7 |
| | Edizione | [1st edition] |
| | Descrizione fisica | 1 online resource (271 p.) |
| | Disciplina | 621.3822 |
| | Soggetti | Signal processing |
| | | Stochastic processes |
| | | Random noise theory |
| | Lingua di pubblicazione | Inglese |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
| | Note generali | Description based upon print version of record. |
| | Nota di bibliografia | Includes bibliographical references and index. |
| | Nota di contenuto | Introduction to Random Signals and Noise; Contents; Preface; 1 Introduction; 1.1 Random Signals and Noise; 1.2 Modelling; 1.3 The Concept of a Stochastic Process; 1.3.1 Continuous Stochastic Processes; 1.3.2 Discrete-Time Processes (Continuous Random Sequences); 1.3.3 Discrete Stochastic Processes; 1.3.4 Discrete Random Sequences; 1.3.5 Deterministic Function versus Stochastic Process; 1.4 Summary; 2 Stochastic Processes; 2.1 Stationary Processes; 2.1.1 Cumulative Distribution Function and Probability Density Function; 2.1.2 First-Order Stationary Processes |
| | | 2.1.3 Second-Order Stationary Processes2.1.4 Nth-Order Stationary Processes; 2.2 Correlation Functions; 2.2.1 The Autocorrelation Function, Wide-Sense Stationary Processes and Ergodic Processes; 2.2.2 Cyclo-Stationary Processes; 2.2.3 The Cross-Correlation Function; 2.2.4 Measuring Correlation Functions; 2.2.5 Covariance Functions; 2.2.6 Physical Interpretation of Process Parameters; 2.3 Gaussian Processes; 2.4 Complex Processes; 2.5 Discrete-Time Processes; 2.5.1 Mean, Correlation Functions and Covariance Functions; 2.6 Summary; 2.7 Problems; 3 Spectra of Stochastic Processes 3.1 The Power Spectrum3.2 The Bandwidth of a Stochastic Process; 3.3 |

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| Sommario/riassunto | Random signals and noise are present in many engineering systems and networks. Signal processing techniques allow engineers to distinguish between useful signals in audio, video or communication equipment, and interference, which disturbs the desired signal. With a strong mathematical grounding, this text provides a clear introduction to the fundamentals of stochastic processes and their practical applications to random signals and noise. With worked examples, problems, and detailed appendices, Introduction to Random Signals and Noise gives the reader the knowledge to de |

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| 2. Record Nr. | UNINA9910580155203321 |
| Autore | Newmarch Jan |
| Titolo | Network Programming with Go Language : Essential Skills for Programming, Using and Securing Networks with Open Source Google Golang / / by Jan Newmarch, Ronald Petty |
| Pubbl/distr/stampa | Berkeley, CA : , : Apress : , : Imprint : Apress, , 2022 |
| ISBN | 9781484280959 |
| | 1484280954 |
| Edizione | [2nd ed. 2022.] |
| Descrizione fisica | 1 online resource (386 pages) : illustrations |
| Disciplina | 001.642 |
| Soggetti | Programming languages (Electronic computers) |
| | Open source software |
| | Computer science |
| | Programming Language |
| | Open Source |
| | Computer Science |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | 1: Architectural Layers -- 2: Overview of the Go Language -- 3: Socket-Level Programming -- 4: Data Serialization -- 5: Application-Level Protocols -- 6: Managing Character Sets and Encodings -- 7: Security -- 8: HTTP -- 9: Templates -- 10: A Complete Web Server -- 11: HTML -- 12: XML -- 13: Remote Procedure Call -- 14: REST -- 15: WebSockets -- 16: Gorilla -- 17: Testing -- Appendix A: Fuzzing -- Appendix B: Generics. |
| Sommario/riassunto | Dive into key topics in network architecture implemented with the Google-backed open source Go programming language. Networking topics such as data serialization, application level protocols, character sets and encodings are discussed and demonstrated in Go. This book has been updated to the Go version 1.18 which includes modules, generics, and fuzzing along with updated and additional examples. Beyond the fundamentals, Network Programming with Go, Second Edition covers key networking and security issues such as HTTP protocol changes, validation and templates, remote procedure call |

(RPC) and REST comparison, and more. Additionally, authors Ronald Petty and Jan Newmarch guide you in building and connecting to a complete web server based on Go. Along the way, use of a Go web toolkit (Gorilla) will be employed. This book can serve as both an essential learning guide and reference on networking concepts and implementation in Go. Free source code isavailable on Github for this book under Creative Commons open source license. You will: Perform network programming with Go (including JSON and RPC) Understand Gorilla, the Golang web toolkit, and how to use it Implement a microservice architecture with Go Leverage Go features such as generics, fuzzing Master syscalls and how to employ them with Go.