1. Record Nr. UNINA9910796537903321

Autore	Hudgens Jordan
Titolo	Comprehensive ruby programming : go from beginner to confident programmer / / Jordan Hudgens
Pubbl/distr/stampa	Birmingham, [England] ; ; Mumbai, [India] : , : Packt, , 2017 ©2017
Edizione	[1st edition]
Descrizione fisica	1 online resource (1 volume) : illustrations
Disciplina	005.117
Soggetti	Ruby (Computer program language)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	This book will provide you with all of the tools you need to be a professional Ruby developer. Starting with the core principles, such as syntax and best practices, and up to advanced topics like metaprogramming and big data analysis. About This Book Provides the core skills required to become a Ruby programmer Covers how to use the most popular Ruby Gem libraries Includes details on regular expressions Who This Book Is For This is a complete course written from the ground up for beginners wanting to gain a solid understanding of the Ruby language. It starts at the beginning with how to install Ruby and work with it on multiple machines, so simply have a computer that's connected to the Internet and you'll be ready. What You Will Learn Learn how to use Ruby code effectively, picking the right tool for the job and not duplicating built-in functionality Gain best software development practices, and how to identify and fix common errors Absorb core programming skills, such as variables, strings, loops, conditionals, and much more Explore object-oriented programming and learn to create modular, reusable code that you can use across projects Build 10 practical Ruby programs as you work through the book on topics such as big data analysis and solving Euler equations In Detail Ruby is a powerful, general-purpose programming language that can be applied to any task. Whether you are an

	experienced developer who wants to learn a new language or you are new to programming, this book is your comprehensive Ruby coding guide. Starting with the foundational principles, such as syntax, and scaling up to advanced topics such as big data analysis, this book will give you all of the tools you need to be a professional Ruby developer. A few of the key topics are: object-oriented programming, built-in Ruby methods, core programming skills, and an introduction to the Ruby on Rails and Sinatra web frameworks. You will also build 10 practical Ruby programs. Created by an experienced Ruby developer, this book has been written to ensure it focuses on the skills you will need to be a professional Ruby developer. After you have read this book, you will be ready to start building real-world Ruby projects. Style and approach This is a comprehensive course for learning the Ruby programming language that works methodically through everything that you need to know. It begins with the basics of the language and then works through some complete projects to apply your skills and...

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Record Nr.	UNINA9911020258403321
Autore	Arrillaga J
Titolo	Flexible power transmission : the HVDC options / / J. Arrillaga, Y.H. Liu, N.R. Watson
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : John Wiley, c2007
ISBN	9786610973989 9781280973987 1280973986 9780470511862 0470511869 9780470511855 0470511850
Descrizione fisica	1 online resource (376 p.)
Altri autori (Persone)	LiuY. H WatsonN. R
Disciplina	621.319/12
Soggetti	Electric power transmission Electric power distribution
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	Flexible Power Transmission The HVDC Options; Contents; Preface; 1 Introduction; 1.1 The Conventional Power Grid; 1.1.1 Power Transfer Mechanism; 1.2 Towards a More Flexible Power Grid; 1.2.1 Power Electronics Control; 1.3 HVDC Transmission; 1.3.1 Thyristor-Based CSC Transmission; 1.3.2 VSC Transmission Based on the Integrated Gate Bipolar Transistor (IGBT); 1.3.3 Multi-terminal HVDC; 1.3.4 The Flexibility Concept Applied to HVDC; 1.4 Relative Power Carrying Capability of AC and DC Transmission Lines; 1.5 The Impact of Distributed Generation; 1.6 The Effect of Electricity Deregulation 1.7 DiscussionReferences; 2 Semiconductor Power Devices; 2.1 Introduction; 2.2 Semiconductor Principles; 2.3 Power Semiconductor Elements; 2.3.1 The pn Rectifier; 2.3.2 The Transistor; 2.3.3 Metal-Oxide-Semiconductor Field-Effect Transistor; 2.4 Dynamic Stresses on Power Switches; 2.4.1 Rate of Change of Voltage dv/dt; 2.4.2 Rate of Change of Current di/dt; 2.4.3 Balancing Problems in Series Chains; 2.5 Other Switching Issues; 2.5.1 Switching Frequency; 2.5.2 Switching Losses; 2.5.3 Soft Switching; 2.5.4 Use of Snubbers; 2.6 Thyristor-Type Power Switches; 2.6.1 The Thyristor 2.6.2 Gate Turn-Off Thyristor (GTO)2.6.3 Insulated Gate-Commutated Thyristor (IGCT); 2.6.4 MOS Turn-Off Thyrister (MTO); 2.6.5 MOS Controlled Thyrister (MCT); 2.6.6 Emitter Turn-Off Thyristor (ETO); 2.7 Insulated Gate Bipolar Transistor (IGBT); 2.7.1 IGBT (Series) Chains; 2.8 Diodes; 2.9 Prognostic Assessment; 2.9.1 Ratings and Applicability; 2.9.2 Relative Losses; References; 3 Line-Commutated HVDC Conversion; 3.1 Introduction; 3.2 Three-Phase AC-DC Conversion [1]; 3.2.1 Basic CSC Operating Principles; 3.2.2 Effect of Delaying the Firing Instant; 3.3 The Commutation Process 3.3.1 Analysis of the Commutation Circuit3.4 Rectifier Operation; 3.5 Inverter Operation; 3.6 Power Factor and Reactive Power; 3.7 Characteristic Harmonics [3]; 3.7.1 DC Side Harmonics; 3.7.2 AC Side Harmonics; 3.8 Multi-Pulse Conversion; 3.8.1 Transformer Phase Shifting; 3.8.2 DC Ripple Reinjection [5]; 3.9 Uncharacteristic Harmonics and Interharmonics; 3.9.1 Imperfect AC Source; 3.9.2 DC Modulation; 3.9.3 Control System Imperfections; 3.9.4 Firing Asymmetry; 3.9.5 Magnification of Low-Order Harmonics; 3.10 Harmonic Reduction by Filters; 3.10.1 AC Side Filters; 3.10.2 DC Side Filters 3.11 Frequency Cross-Modulation Across the LCC3.12 Summary; References; 4 Self-Commutating Conversion; 4.1 Introduction; 4.2 Voltage Source Conversion; 4.2.1 VSC Operating Principles; 4.2.2 Converter Components; 4.2.3 The Three-Phase VSC; 4.3 Comparison of LCC and VSC; 4.4 Current Source Conversion; 4.4.1 Analysis of the CSC Waveforms [2]; 4.5 The Reinjection Concept with Self-Commutation; 4.5.1 Application to VSC; 4.5.2 Application to CSC; 4.6 Discussion; References; 5 Pulse Width Modulation; 5.1 Introduction; 5.2 PWM Operating Principles; 5.3 Selective Harmonic Cancellation 5.4 Sinusoidal (Carrier-Based) PWM
Sommario/riassunto	The development of power semiconductors with greater ratings and improved characteristics has meant that the power industry has become more willing to develop new converter configurations. These new configurations take advantage of the higher controllability and switching frequencies of the new devices. The next few years will decide which of the proposed technologies will dominate future power transmission systems. Flexible Power Transmission is a comprehensive guide to the high voltage direct current (HVDC) options available,

helping the reader to make informed decisions for desi

3. Record Nr. UNICAMPANIAVAN00274201

Titolo	Distributed Vision : From Simple Sensors to Sophisticated Combination Eyes / editors Elke Buschbeck, Michael Bok
Pubbl/distr/stampa	Cham, : Springer, 2023
Descrizione fisica	VII, 320 p. : ill. ; 24 cm
Disciplina	577 571.6
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia