1. Record Nr. UNINA9910786445703321

Autore	Henderson Alan
Titolo	Bugs alive [[electronic resource]] : a guide to keeping Australian invertebrates / / Alan Henderson, Deanna Henderson and Jessie Sinclair
Pubbl/distr/stampa	Melbourne, VIC, : Museum Victoria, 2012
ISBN	1-921833-20-3
Descrizione fisica	1 online resource (200 p.)
Altri autori (Persone)	HendersonDeanna SinclairJessie
Disciplina	595.0994
Soggetti	Invertebrates - Australia Animals - Australia
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	Contents; Amazing Australian bugs; Where do I get bugs?; What are bugs?; How to use this book; Care Guides; Ants; Beetles; Butterflies and moths; Cockroaches; Crickets and katydids; Grasshoppers; Mantids; Phasmids; True bugs; Wasps; Primitive spiders; Scorpions; Centipedes; Millipedes; Snails and slugs; Housing; Escape prevention; Temperature; Humidity; Lighting; Substrates; Enclosure fit-out; Food and water; Food; Water; Health; Why is my bug sick?; Quarantine; Diseases; Parasites; Physical injuries; Stress; Deficiencies in captivity; Emergency food; Effects of aging; Euthanasia Display your invertebratesTips for creating good displays; Gypsum cement; Polystyrene and epoxyresin; Acknowledgements; Authors; Glossary; Index
Sommario/riassunto	This exciting new title is the first book on keeping Australian invertebrates; previously, only titles on European or American species were available. Bugs Alive contains detailed descriptions (life-cycle, breeding, feeding) of over 90 species, as well as detailed instructions for housing and caring for your bug. Stunning colour photographs and line-art are used extensively throughout the book to display and describe animals and their anatomy, as well as to depict construction of housing and environment.

2. Record Nr. UNINA9910960571603321

Autore	Haghighi Aliakbar Montazer
Titolo	Advanced mathematics for engineers with applications in stochastic processes / / Aliakbar Montazer Haghighi, Jian-ao Lian, and Dimitar P. Mishev
Pubbl/distr/stampa	New York, : Nova Science Publishers, Inc., 2011, c2010
ISBN	1-62417-681-X
Edizione	[Rev. ed.]
Descrizione fisica	1 online resource (568 p.)
Collana	Mathematics research developments
Altri autori (Persone)	LianJian-ao MishevD. P (Dimiter P.)
Disciplina	510
Soggetti	Functions of several complex variables Stochastic analysis
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 (p. [535]-541) and index.
Nota di contenuto	Intro -- ADVANCED MATHEMATICSFOR ENGINEERS WITH APPLICATIONSIN STOCHASTIC PROCESSES -- ADVANCED MATHEMATICSFOR ENGINEERS WITH APPLICATIONSIN STOCHASTIC PROCESSES -- LIBRARY OF CONGRESS CATALOGING-IN-PUBLICATION DATA -- CONTENTS -- PREFACE -- Chapter 1: INTRODUCTION -- 1.1. FUNCTIONS OF SEVERAL VARIABLES -- Definition 1.1.1. -- Example 1.1.1. -- Definition 1.1.2. -- Definition 1.1.3. -- Definition 1.1.4. -- Definition 1.1.5. -- Example 1.1.2. -- Definition 1.1.6. -- Definition 1.1.7. -- 1.2. PARTIAL DERIVATIVES, GRADIENT, AND DIVERGENCE -- Definition 1.2.1. -- Theorem 1.2.1 (Clairaut's1 Theorem or Schwarz's2 Theorem) -- Example 1.2.1. -- Definition 1.2.2. -- Example 1.2.3. -- Definition 1.2.3. -- Definition 1.2.4. -- Definition 1.2.5. -- Example 1.2.4. -- Definition 1.2.6. -- Definition 1.2.7. -- Example 1.2.5. -- Definition 1.2.8. -- Theorem 1.2.2. -- Example 1.2.6. -- 1.3. FUNCTIONS OF A COMPLEX VARIABLE -- Definition 1.3.1. -- 1.4. POWER SERIES AND THEIR CONVERGENT BEHAVIOR -- Definition 1.4.1. -- Definition 1.4.2. -- 1.5. REAL-VALUED TAYLOR SERIES AND MACLAURIN SERIES -- Definition 1.5.1. -- Definition 1.5.2. -- 1.6. POWER SERIES REPRESENTATION OF ANALYTIC FUNCTIONS -- 1.6.1. Derivative and Analytic Functions -- Definition 1.6.1. -- Definition 1.6.2 -- Theorem 1.6.1 (Cauchy-Riemann10 Equations and Analytic

Functions) -- 1.6.2. Line Integral in the Complex Plane -- Definition 1.6.3. -- Definition 1.6.4. -- Definition 1.6.5. -- Theorem 1.6.2. -- 1.6.3. Cauchy's Integral Theorem for Simply Connected Domains -- Theorem 1.6.3 (Cauchy's Integral Theorem) -- 1.6.4. Cauchy's Integral Theorem for Multiple Connected Domains -- Theorem 1.6.4. (Cauchy's Integral Theorem for Multiple ConnectedDomains) -- 1.6.5. Cauchy's Integral Formula -- Theorem 1.6.5. (Cauchy's Integral Formula) -- 1.6.6. Cauchy's Integral Formula for Derivatives.
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SHIFTING THEOREM -- Definition 3.5.1. -- Theorem 3.5.1. (The Second Shifting or t-Shifting Theorem) -- 3.6. SOLVING INITIAL-VALUE PROBLEMSWITH DISCONTINUOUS INPUTS -- 3.7. SHORT IMPULSE AND DIRAC'S DELTA FUNCTIONS -- 3.8. SOLVING INITIAL-VALUE PROBLEMSWITH IMPULSE INPUTS -- 3.9. APPLICATION OF LAPLACE TRANSFORMTO ELECTRIC CIRCUITS -- 3.10. TABLE OF LAPLACE TRANSFORMS -- EXERCISES -- 3.1. Definitions of Laplace Transform and Inverse Laplace Transform -- 3.2. First Shifting Theorem -- 3.3. Laplace Transform of Derivatives.
3.4. Solving Initial-Value Problems by Laplace Transform -- 3.5. Heaviside Function and Second Shifting Theorem -- 3.6. Solving Initial-Value Problems with Discontinuous Inputs -- 3.8. Solving Initial-Value Problems with Impulse Inputs -- 3.9. Application of Laplace Transform to Electric Circuits -- Chapter 4: PROBABILITY -- 4.1. INTRODUCTION -- Definition 4.1.1. -- Definition 4.1.2. -- Definition 4.1.3. -- Definition 4.1.4. -- Definition 4.1.5. -- Definition 4.1.6. -- Definition 4.1.7. -- Definition 4.1.8. -- Definition 4.1.9. -- 4.2. COUNTING TECHNIQUES -- Definition 4.2.1. -- Rule 4.2.1. The Fundamental Principle of Counting -- Definition 4.2.2. -- Theorem 4.2.1. -- Definition 4.2.3. -- Definition 4.2.4. -- Theorem 4.2.3. -- 4.3. TREE DIAGRAMS -- 4.4. CONDITIONAL PROBABILITY AND INDEPENDENCE -- Definition 4.4.1. -- Definition 4.4.2. -- Theorem 4.4.1. -- Definition 4.4.3. -- 4.5. THE LAW OF TOTAL PROBABILITY -- Theorem 4.5.1. (The Multiplicative Law) -- Theorem 4.5.2. (The Multiplicative Law)Let 1 -- Theorem 4.5.3. (The Law of Total Probability) -- Theorem 4.5.4. (Bayes' Formula) -- 4.6. DISCRETE RANDOM VARIABLES -- Definition 4.6.1. -- Definition 4.6.2. -- Definition 4.6.3. -- 4.7. DISCRETE PROBABILITY DISTRIBUTIONS -- Definition 4.7.1. -- Definition 4.7.2. -- Definition 4.7.3. -- Definition 4.7.4. -- Definition 4.7.5. -- Definition 4.7.6. -- Definition 4.7.7. -- Definition 4.7.8. -- Definition 4.7.9. -- Theorem 4.7.2. -- 4.8. RANDOM VECTORS -- Definition 4.8.1. -- Definition 4.8.2. -- Definition 4.8.3. -- Theorem 4.8.1. Multinomial Theorem -- Definition 4.8.4. -- 4.9. CONDITIONAL DISTRIBUTION AND INDEPENDENCE -- Theorem 4.9.1. (The Law of Total Probability) -- Definition 4.9.1. -- Definition 4.9.2. -- Definition 4.9.3. -- Theorem 4.9.2. -- Theorem 4.9.3 -- Theorem 4.9.4. -- 4.10. DISCRETE MOMENTS -- Definition 4.10.1. -- Definition 4.10.2. Theorem 4.10.1. -- Theorem 4.10.2. -- Theorem 4.10.3. -- Definition 4.10.3. -- Definition 4.10.4. -- Definition 4.10.5. -- Theorem 4.10.4. -- Definition 4.10.6. -- Theorem 4.10.5. -- Definition 4.10.7. -- Theorem 4.10.6. -- Theorem 4.10.7. -- Theorem 4.10.8. -- Theorem 4.10.9. -- Theorem 4.10.10. -- Theorem 4.10.11. -- Definition 4.10.8. -- Definition 4.10.8. -- 4.11. CONTINUOUS RANDOM VARIABLES AND DISTRIBUTIONS -- Definition 4.11.1. -- Definition 4.11.2. -- Definition 4.11.3. -- Definition 4.11.4. -- Definition 4.11.5. -- Definition 4.11.6. -- Definition 4.11.7 -- Definition 4.11.8 -- Definition 4.11.9. -- Definition 4.11.10 -- Definition 4.11.11. -- Definition 4.11.12. -- Definition 4.11.13. -- Definition 4.11.14 -- Definition 4.11.15. -- Definition 4.11.16 -- Remark 4.11.1. -- 4.12. CONTINUOUS RANDOM VECTOR -- Definition 4.12.1. -- Definition 4.12.2 -- 4.13. FUNCTIONS OF A RANDOM VARIABLE -- Definition 4.13.1. -- Definition 4.13.2. -- Theorem 4.13.1. -- Definition 4.13.3. -- Theorem 4.13.2. -- Definition 4.13.4. -- Theorem 4.13.3. Central Limit Theorem -- EXERCISES -- 4.1. Introduction -- 4.2. Counting Techniques -- 4.3. Tree Diagrams -- 4.4. Conditional Probability and Independence -- 4.5. The Law of Total Probability -- 4.6. Discrete Random Variables -- 4.7. Discrete Probability Distributions -- 4.8. Random Vectors -- 4.9. Conditional Distribution and Independence -- 4.10. Discrete Moments -- 4.11.

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Definition 5.1.9.

Sommario/riassunto

The contents of this work cover Fourier and wavelet analysis, Laplace transform, probability, statistics, difference and differential-difference equations, stochastic processes and their applications, and much more.