1. Record Nr. UNINA9910552759803321

Autore	Lambert Gregg <1961->
Titolo	The world is gone : philosophy in light of the pandemic / / Gregg Lambert
Pubbl/distr/stampa	Minneapolis, Minnesota ; ; London : , : University of Minnesota Press, , 2021
ISBN	1-4529-6718-0 1-4529-6717-2
Descrizione fisica	1 online resource (113 pages)
Collana	Forerunners
Disciplina	302.545
Soggetti	Social isolation - Psychological aspects Existentialism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Exploring the existential implications of the Covid-19 crisis through meditationsPart personal memoir, part philosophical reflection and written in the midst of the pandemic in 2021, The World Is Gone employs the Robinson Crusoe fable to launch an existential investigation of the effects of extreme isolation, profound boredom, nightly insomnia, and the fear of madness associated with the loss of a world populated by others.Forerunners: Ideas First is a thought-in-process series of breakthrough digital publications. Written between fresh ideas and finished books, Forerunners draws on scholarly work initiated in notable blogs, social media, conference plenaries, journal articles, and the synergy of academic exchange. This is gray literature publishing: where intense thinking, change, and speculation take place in scholarship.

2.

Record Nr.	UNINA9910816385803321
Autore	Southern David
Titolo	Taxation of loan relationships and derivative contracts / / David Southern
Pubbl/distr/stampa	London, England : , : Bloomsbury Professional, , [2017] ©2017
ISBN	1-78451-135-8 1-78451-136-6
Edizione	[Tenth edition.]
Descrizione fisica	1 online resource (717 pages)
Disciplina	346.41078
Soggetti	Corporate debt - Law and legislation - Great Britain Financial instruments - Taxation - Law and legislation - Great Britain Derivative securities - Taxation - Law and legislation - Great Britain
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.

3. Record Nr. UNINA9911006646103321

Autore	Sun Jian-Qiao
Titolo	Stochastic dynamics and control / / Jian-Qiao Sun
Pubbl/distr/stampa	Boston, : Elsevier, 2006
ISBN	1-280-63601-7 9786610636013 0-08-046398-3
Edizione	[1st ed.]
Descrizione fisica	1 online resource (427 p.)
Collana	Monograph series on nonlinear science and complexity, , 1574-6917 ; ; 4
Disciplina	519.2
Soggetti	Stochastic processes Probabilities
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	Front cover; Table of contents; Preface; Chapter 1. Introduction; 1.1. Stochastic dynamics; 1.2. Stochastic control; Chapter 2. Probability Theory; 2.1. Probability of random events; 2.2. Random variables; 2.3. Probability distributions; 2.4. Expectations of random variables; 2.5. Common probability distributions; 2.6. Two-dimensional random variables; 2.7. n-Dimensional random variables; 2.8. Functions of random variables; 2.9 Conditional probability; Exercises; Chapter 3. Stochastic Processes; 3.1. Definitions; 3.2. Expectations; 3.3. Vector process; 3.4 Gaussian process 3.5. Harmonic process3.6. Stationary process; 3.7. Ergodic process; 3.8. Poisson process; 3.9. Markov process; Exercises; Chapter 4. Spectral Analysis of Stochastic Processes; 4.1 Power spectral density function; 4.2. Spectral moments and bandwidth; 4.3. Process with rational spectral density function; 4.4. Finite time spectral analysis; Exercises; Chapter 5. Stochastic Calculus; 5.1. Modes of convergence; 5.2. Stochastic differentiation; 5.3. Stochastic integration; 5.4. Ito calculus; Exercises; Chapter 6. Fokker-Planck-Kolmogorov Equation; 6.1. Chapman-Kolmogorov-Smoluchowski equation 6.2. Derivation of the FPK equation6.3. Solutions of FPK equations for linear systems; 6.4. Short-time solution; 6.5. Path integral solution; 6.6. Exact stationary solutions; Exercises; Chapter 7. Kolmogorov

Backward Equation; 7.1. Derivation of the backward equation; 7.2. Reliability formulation; 7.3. First-passage time probability; 7.4. Pontryagin-Vitt equations; Exercises; Capter 8. Random Vibration of SDOF Systems; 8.1. Solutions in the mean square sense; 8.2. Solutions with Ito calculus; Exercises; Chapter 9. Random Vibration of MDOF Discrete Systems; 9.1. Lagrange's equation
9.2. Modal solutions of MDOF systems9.3. Response statistics; 9.4. State space representation and Ito calculus; 9.5. Filtered white noise excitation; Exercises; Chapter 10. Random Vibration of Continuous Structures; 10.1. Distributed random excitations; 10.2. One-dimensional structures; 10.3. Two-dimensional structures; Exercises; Chapter 11. Structural Reliability; 11.1. Modes of failure; 11.2. Level crossing; 11.3. Vector process; 11.4. First-passage reliability based on level crossing; 11.5. First-passage time probability - general approach; 11.6. Structural fatigue
11.7. Dirlik's formula for fatigue prediction11.8. Extended Dirlik's formula for non-Gaussian stress; Exercises; Chapter 12. Monte Carlo Simulation; 12.1. Random numbers; 12.2. Random processes; 12.3. Stochastic differential equations; 12.4. Simulation of non-Gaussian processes; Exercises; Chapter 13. Elements of Feedback Controls; 13.1. Transfer function of linear dynamical systems; 13.2. Concepts of stability; 13.3. Effects of poles and zeros; 13.4. Time domain specifications; 13.5. PID controls; 13.6. Routh's stability criterion; 13.7. Root locus design; Exercises
Chapter 14. Feedback Control of Stochastic Systems

Sommario/riassunto

This book is a result of many years of author's research and teaching on random vibration and control. It was used as lecture notes for a graduate course. It provides a systematic review of theory of probability, stochastic processes, and stochastic calculus. The feedback control is also reviewed in the book. Random vibration analyses of SDOF, MDOF and continuous structural systems are presented in a pedagogical order. The application of the random vibration theory to reliability and fatigue analysis is also discussed. Recent research results on fatigue analysis of non-Gaussian stress proc