1. Record Nr. UNINA9910456781903321

Autore	Sloan Doris
Titolo	Geology of the San Francisco Bay region [[electronic resource] /] / Doris Sloan ; with photographs by John Karachewski
Pubbl/distr/stampa	Berkeley, : University of California Press, 2006
ISBN	1-282-35784-0 9786612357848 0-520-93781-3
Descrizione fisica	1 online resource (353 p.)
Collana	California natural history guides ; ; 79
Disciplina	557.94/61
Soggetti	Geology - California - San Francisco Bay Area Electronic books.
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 indexes.
Nota di contenuto	Frontmatter -- CONTENTS -- ACKNOWLEDGMENTS -- INTRODUCTION -- 1. THE BAY AREA AND THE PROCESSES THAT SHAPE ITS GEOLOGY -- 2. THE PLATE TECTONIC FRAMEWORK -- 3. THE REMARKABLE ROCKS OF THE BAY AREA -- 4. MARIN COUNTY: A DIVIDED LANDSCAPE -- 5. SAN FRANCISCO: GEOLOGY BENEATH THE PAVEMENT -- 6. THE BAY AND THE ISLANDS -- 7. THE PENINSULA: COAST, REDWOODS, AND BAY -- 8. THE SOUTH BAY -- 9. THE EAST BAY -- 10. THE NORTH BAY -- GLOSSARY -- FURTHER READING -- FIGURE AND MAP SOURCES -- PHOTO CREDITS -- ADDITIONAL CAPTIONS -- GEOLOGIC MAPS INDEX -- INDEX
Sommario/riassunto	Why does a bit of ocean floor lie on top of Mt. Diablo? Why is Red Rock, that small, knobby island in San Francisco Bay, red? Why is Loma Prieta high? This book is for San Francisco Bay Area residents and visitors who want to explore the geologic world of this spectacular area, to learn about its shapes, colors, and rocky foundations. Doris Sloan illuminates the colorful geologic mosaic that surrounds San Francisco Bay and lucidly explains the complex and fascinating processes that have forged it over millions of years. In a lively and engaging style, Sloan describes forces such as the movement of tectonic plates, erosion, the waves on the coast, and human activity. She provides background

	information on the processes, time frame, and rocks that are the key to understanding the Bay Area landscape and geologic history, then turns to distinct regions of the Bay Area and to San Francisco Bay itself. * Superbly illustrated with 139 color photographs, 41 drawings, and 29 maps * Covers Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, and Sonoma counties * Gives clear, nontechnical explanations of complex topics including plate tectonics and the Bay Area's fault systems * Suggests locales in parks and open space preserves to view Bay Area geology in action

2.

Record Nr.	UNINA9910511419203321
Autore	Farley Mark A
Titolo	Forensic DNA Technology
Pubbl/distr/stampa	Milton, : CRC Press LLC, 2017
ISBN	1-351-07212-9 1-351-08057-1
Descrizione fisica	1 online resource (xvi, 250 pages) : illustrations
Collana	CRC Revivals
Disciplina	363.2
Soggetti	Forensic genetics - Technique DNA fingerprinting Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Forensic DNA Technology examines the legal and scientific issues relating to the implementation of DNA print technology in both the crime laboratory and the courtroom. Chapters have been written by many of the country's leading experts and trace the underlying theory and historical development of this technology, as well as the methodology utilized in the Restriction Fragment Length Polymorphism (RFLP) and Polymerase Chain Reaction (PCR) techniques. The effect of environmental contaminants on the evidence and the statistical analysis of population genetics data as it relates to the potential of this

		technology for individualizing the donor of the questioned sample are also addressed. Other topics include the proposed guidelines for using this technology in the crime laboratory, the perspective of the prosecution and the defense, the legal standards for determining the admissibility and weight of such evidence at trial. Finally, the issues of validation and the standards for interpretation of autoradiograms are brought into focus in a detailed study of actual case work. Forensic scientists, prosecuting attorneys, defense attorneys, libraries, and all scientists working with DNA technology should consider this a "must have" book.
3.	Record Nr.	UNINA9910139038303321
	Autore	Shen Hui-Shen
	Titolo	A two-step perturbation method in nonlinear analysis of beams, plates, and shells [[electronic resource] /] / Hui-Shen Shen
	Pubbl/distr/stampa	Singapore, : John Wiley & Sons, 2013
	ISBN	1-118-64991-5 1-118-64989-3 1-118-64990-7
	Descrizione fisica	1 online resource (369 p.)
	Collana	Information security series
	Disciplina	624.1/82015157248
	Soggetti	Girders - Mathematical models Shells (Engineering) - Mathematical models Plates (Engineering) - Mathematical models Deformations (Mechanics) - Mathematical models Perturbation (Mathematics)
	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	A Two-Step Perturbation Method in Nonlinear Analysis of Beams, Plates and Shells; Contents; About the Author; Preface; List of Symbols; 1 Traditional Perturbation Method; 1.1 Introduction; 1.2 Load-type Perturbation Method; 1.3 Deflection-type Perturbation Method; 1.4 Multi-parameter Perturbation Method; 1.5 Limitations of the Traditional

Perturbation Method; References; 2 Nonlinear Analysis of Beams; 2.1 Introduction; 2.2 Nonlinear Motion Equations of Euler-Bernoulli Beams; 2.3 Postbuckling Analysis of Euler-Bernoulli Beams; 2.4 Nonlinear Bending Analysis of Euler-Bernoulli Beams
2.5 Large Amplitude Vibration Analysis of Euler-Bernoulli BeamsReferences; 3 Nonlinear Vibration Analysis of Plates; 3.1 Introduction; 3.2 Reddy's Higher Order Shear Deformation Plate Theory; 3.3 Generalized Karman-type Motion Equations; 3.4 Nonlinear Vibration of Functionally Graded Fiber Reinforced Composite Plates; 3.5 Hygrothermal Effects on the Nonlinear Vibration of Shear Deformable Laminated Plate; 3.6 Nonlinear Vibration of Shear Deformable Laminated Plates with PFRC Actuators; References; 4 Nonlinear Bending Analysis of Plates; 4.1 Introduction
4.2 Nonlinear Bending of Rectangular Plates with Free Edges under Transverse and In-plane Loads and Resting on Two-parameter Elastic Foundations4.3 Nonlinear Bending of Rectangular Plates with Free Edges under Transverse and Thermal Loading and Resting on Two-parameter Elastic Foundations; 4.4 Nonlinear Bending of Rectangular Plates with Free Edges Resting on Tensionless Elastic Foundations; 4.5 Nonlinear Bending of Shear Deformable Laminated Plates under Transverse and In-plane Loads; 4.6 Nonlinear Bending of Shear Deformable Laminated Plates under Transverse and Thermal Loading
4.7 Nonlinear Bending of Functionally Graded Fiber Reinforced Composite PlatesAppendix 4.A; Appendix 4.B; Appendix 4.C; Appendix 4.D; Appendix 4.E; Appendix 4.F; References; 5 Postbuckling Analysis of Plates; 5.1 Introduction; 5.2 Postbuckling of Thin Plates Resting on Tensionless Elastic Foundation; 5.3 Postbuckling of Shear Deformable Laminated Plates under Compression and Resting on Tensionless Elastic Foundations; 5.4 Thermal Postbuckling of Shear Deformable Laminated Plates Resting on Tensionless Elastic Foundations
5.5 Thermomechanical Postbuckling of Shear Deformable Laminated Plates Resting on Tensionless Elastic Foundations5.6 Postbuckling of Functionally Graded Fiber Reinforced Composite Plates under Compression; 5.7 Thermal Postbuckling of Functionally Graded Fiber Reinforced Composite Plates; 5.8 Postbuckling of Shear Deformable Hybrid Laminated Plates with PFRC Actuators; References; 6 Nonlinear Vibration Analysis of Cylindrical Shells; 6.1 Introduction; 6.2 Reddy's Higher Order Shear Deformation Shell Theory and Generalized Karman-type Motion Equations
6.3 Nonlinear Vibration of Shear Deformable Cross-ply Laminated Cylindrical Shells

Sommario/riassunto

The capability to predict the nonlinear response of beams, plates and shells when subjected to thermal and mechanical loads is of prime interest to structural analysis. In fact, many structures are subjected to high load levels that may result in nonlinear load-deflection relationships due to large deformations. One of the important problems deserving special attention is the study of their nonlinear response to large deflection, postbuckling and nonlinear vibration. A two-step perturbation method is firstly proposed by Shen and Zhang (1988) for postbuckling analysis of isotropic plat