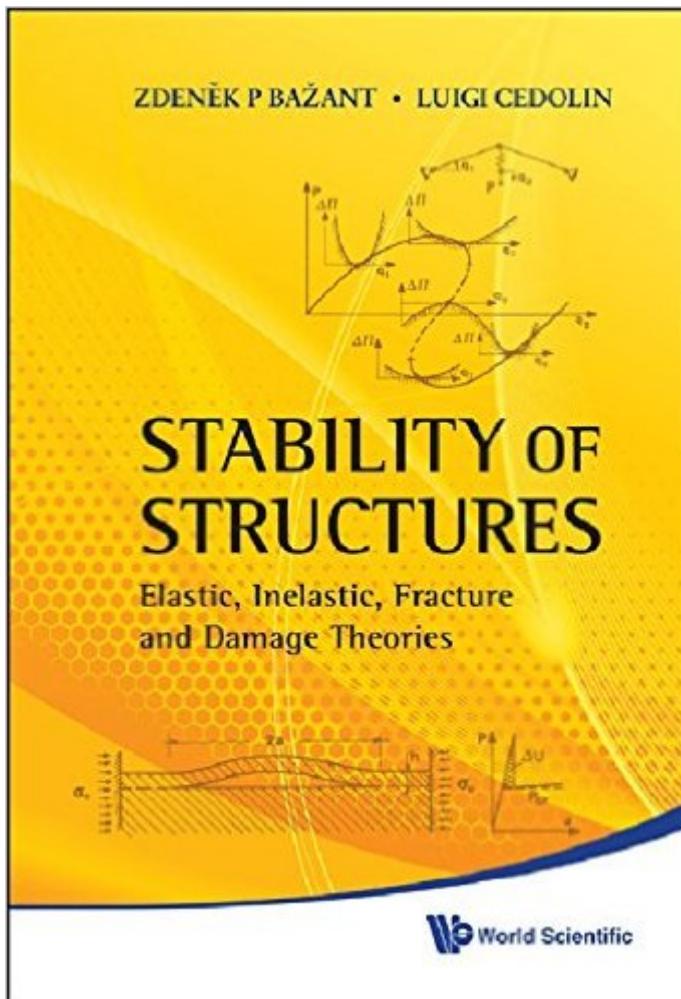


The book was found

Stability Of Structures: Elastic, Inelastic, Fracture And Damage Theories



Synopsis

A crucial element of structural and continuum mechanics, stability theory has limitless applications in civil, mechanical, aerospace, naval and nuclear engineering. This text of unparalleled scope presents a comprehensive exposition of the principles and applications of stability analysis. It has been proven as a text for introductory courses and various advanced courses for graduate students. It is also prized as an exhaustive reference for engineers and researchers. The authors' focus on understanding of the basic principles rather than excessive detailed solutions, and their treatment of each subject proceed from simple examples to general concepts and rigorous formulations. All the results are derived using as simple mathematics as possible. Numerous examples are given and 700 exercise problems help in attaining a firm grasp of this central aspect of solid mechanics. The book is an unabridged republication of the 1991 edition by Oxford University Press and the 2003 edition by Dover, updated with 18 pages of end notes.

Book Information

Paperback: 1040 pages

Publisher: World Scientific Publishing Company (August 16, 2010)

Language: English

ISBN-10: 9814317039

ISBN-13: 978-9814317030

Product Dimensions: 6.4 x 1.4 x 9.6 inches

Shipping Weight: 3.1 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 starsÂ See all reviewsÂ (2 customer reviews)

Best Sellers Rank: #269,023 in Books (See Top 100 in Books) #3 inÂ Books > Engineering & Transportation > Engineering > Materials & Material Science > Fracture Mechanics #183 inÂ Books > Textbooks > Engineering > Civil Engineering #353 inÂ Books > Textbooks > Engineering > Mechanical Engineering

Customer Reviews

This text book offers extensive collections of analytical analyses of stability of structures. If you want to find a great book about analytical methods (rather than numerical techniques). This book is the one. It's hard to imagine a textbook that can beat this one in next 10 years. Btw this Dover version is an affordable version from its 1991 version from Oxford university press.

This book is a great reference for any structural engineer's library, although it is definitely more of a

graduate/PhD level. For instance, as a working structural engineer for 10+ years, I really haven't needed such a reference. But now that I am in graduate school, it is a great book to have. Maybe after learning the content in it, I will use it when working, but that remains to be seen.

[Download to continue reading...](#)

Stability of Structures: Elastic, Inelastic, Fracture and Damage Theories Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics (Astm Manual Series) Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics Theory of Elastic Stability (Dover Civil and Mechanical Engineering) Seismic Design and Assessment of Bridges: Inelastic Methods of Analysis and Case Studies: 21 (Geotechnical, Geological and Earthquake Engineering) Stability of Structures by Finite Element Methods, Volume 40 (Studies in Applied Mechanics) Philosophies And Theories For Advanced Nursing Practice (Butts, Philosophies and Theories for Advanced Nursing Practice) Nursing Theories and Nursing Practice (Third Edition) (Parker, Nursing Theories and Nursing Practice) Theories for Direct Social Work Practice (SW 390N 2-Theories of Social Work Practice) Theories of Personality (PSY 235 Theories of Personality) Heat, Bearings, and Lubrication: Engineering Analysis of Thermally Coupled Shear Flows and Elastic Solid Boundaries The Scientific and Clinical Application of Elastic Resistance A Need For Speed (C): The Quantum Effects Of An Elastic-Solid Aether Alpha Lipoic Acid Breakthrough: The Superb Antioxidant That May Slow Aging, Repair Liver Damage, and Reduce the Risk of Cancer, Heart Disease, and Diabetes The Autoimmune Fix: How to Stop the Hidden Autoimmune Damage That Keeps You Sick, Fat, and Tired Before It Turns Into Disease Earthquake Engineering: Damage Assessment and Structural Design (Methods & Applications in Civil Engineering) Fundamentals of Structural Integrity: Damage Tolerant Design and Nondestructive Evaluation Brain Damage: Overcoming Cognitive Deficit and Creating the New You Sugar Crush: How to Reduce Inflammation, Reverse Nerve Damage, and Reclaim Good Health The B12 Deficiency Survival Handbook: Fix Your Vitamin B12 Deficiency Before Any Permanent Nerve and Brain Damage

[Dmca](#)