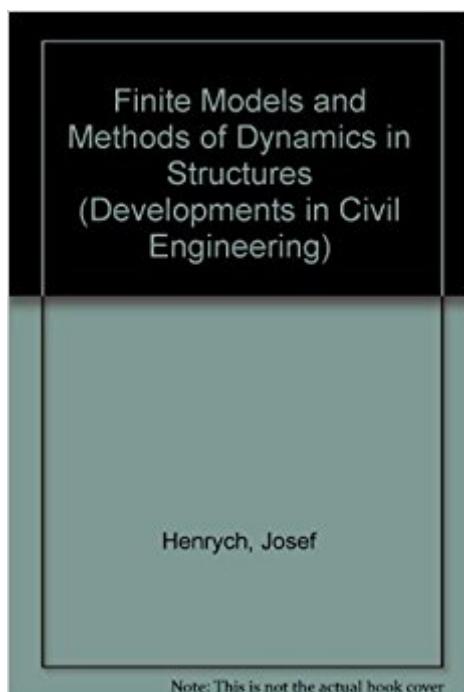


The book was found

Finite Models And Methods Of Dynamics In Structures (Developments In Civil Engineering)



Synopsis

In view of the present level of computer techniques and the undoubtedly improvements in them which lie ahead, the finite methods of mechanics are and will remain the most universal tool for solving the dynamic problems of structures in civil and mechanical engineering and other applications. The aim of this volume is to create a unified system classifying the finite methods on the basis of their common features. A feature is found which is common to all known finite methods, and this feature is then formulated as a prerequisite for all known and unknown procedures. On the basis of this prerequisite, symptoms and factors of discretization are formulated; their combinations result in systems of factors denoting various finite models and the methods corresponding to them. Among the procedures obtained in this way are the existing methods and some new methods: some formulations of methods previously defined only in a stricter sense are also obtained. Various new and generalized existing methods are elaborated in practical applications. Some principles of mechanics are proposed for formulating the equations of motion of various finite models and they are applied to practical examples.

Book Information

Series: Developments in Civil Engineering (Book 28)

Hardcover: 542 pages

Publisher: Elsevier Science Ltd (September 1990)

Language: English

ISBN-10: 0444988130

ISBN-13: 978-0444988133

Shipping Weight: 1.7 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,643,934 in Books (See Top 100 in Books) #74 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural Dynamics #846 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural #1409 in Books > Textbooks > Engineering > Civil Engineering

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

Finite Models and Methods of Dynamics in Structures (Developments in Civil Engineering) The Finite Element Method: Linear Static and Dynamic Finite Element Analysis (Dover Civil and Mechanical Engineering) Dynamics of Structures (5th Edition) (Prentice-Hall International Series I Civil Engineering and Engineering Mechanics) Dynamics of Structures (4th Edition) (Prentice-Hall

International Series in Civil Engineering and Engineering Mechanics) Dynamics of Structures (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Strengthening of Reinforced Concrete Structures: Using Externally-Bonded Frp Composites in Structural and Civil Engineering (Woodhead Publishing Series in Civil and Structural Engineering) New methods and recent developments of the stereochemistry of ephedrine, pyrrolizidine, granatane and tropane alkaloids, (Recent developments in the chemistry of natural carbon compounds) Tunneling Dynamics in Open Ultracold Bosonic Systems: Numerically Exact Dynamics → Analytical Models → Control Schemes (Springer Theses) The Engineering Design of Systems: Models and Methods (Wiley Series in Systems Engineering and Management) Structural Dynamics of Earthquake Engineering: Theory and Application Using Mathematica and Matlab (Woodhead Publishing Series in Civil and Structural Engineering) Prestressed Concrete Structures/Book and Disk (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Fracture and Fatigue Control in Structures: Applications of Fracture Mechanics (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Experimental Structural Dynamics: An Introduction to Experimental Methods of Characterizing Vibrating Structures Dynamics of Structures: Theory and Applications to Earthquake Engineering (2nd Edition) Dynamics of Structures: Theory and Applications to Earthquake Engineering Finite Mathematics and Calculus with Applications Plus MyMathLab with Pearson eText -- Access Card Package (10th Edition) (Lial, Greenwell & Ritchey, The Applied Calculus & Finite Math Series) How the Universe Got Its Spots: Diary of a Finite Time in a Finite Space Finite Mathematics Plus MyMathLab with Pearson eText -- Access Card Package (11th Edition) (Lial, Greenwell & Ritchey, The Applied Calculus & Finite Math Series) Civil War: American Civil War in 50 Events: From the Very Beginning to the Fall of the Confederate States (War Books, Civil War History, Civil War Books) (History in 50 Events Series Book 13) Seismic Risk and Engineering Decisions (Developments in Geotechnical Engineering)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)