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Displacement Based Seismic Design Of Structures

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Displacement-Based
Seismic Design of Structures

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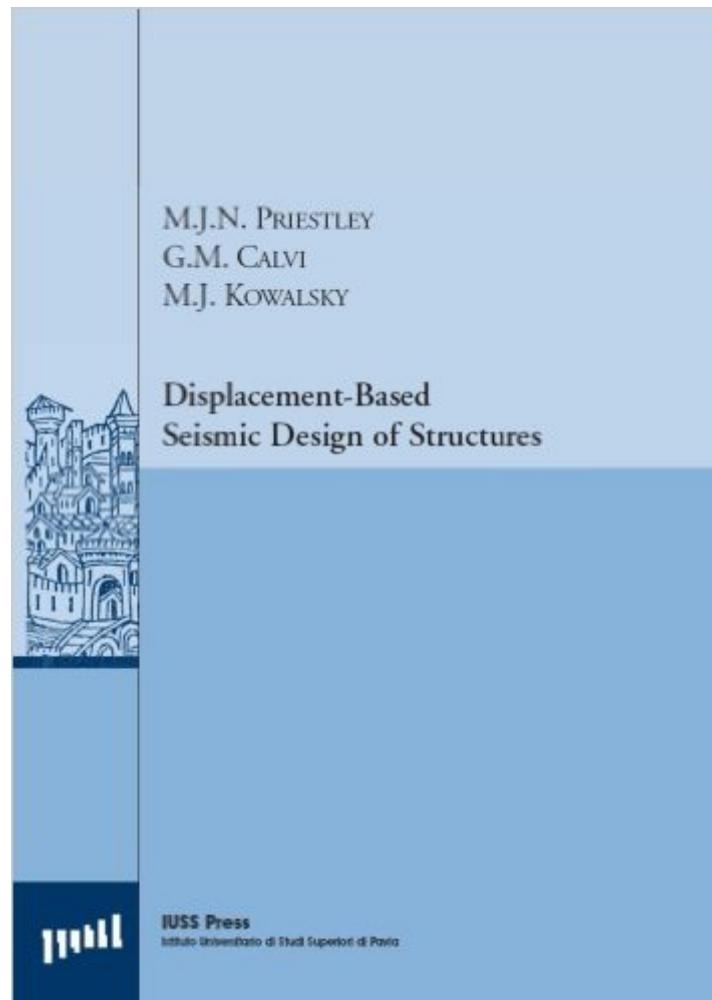
Synopsis

Displacement-Based Seismic Design of Structures is a book primarily directed towards practicing structural designers who are interested in applying performance-based concepts to seismic design. Since much of the material presented in the book has not been published elsewhere, it will also be of considerable interest to researchers, and to graduate and upper-level undergraduate students of earthquake engineering who wish to develop a deeper understanding of how design can be used to control seismic response.

Book Information

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Customer Reviews

This book is a bible for any structural designer having to do with earthquake resistant design today. This textbook convinces you from the start, it clearly explains why displacement based design is now a mature design method and is set to become the standard way of designing for earthquakes. Apart from that, the book is so elegantly written. I wish we could all write as clear as these authors. It is not so common to find a state of the art texbook so excellently written and researched.The only complaint: the book has numerous errata and the simbols list is very incomplete. There is room for a lot of improvement in these aspects, hopefully it will be corrected in future editions.

This book is a must for practicing engineers, and graduate students interested in concrete structures. I have found this book to be an excellent reference for performing moment curvature analysis and force deflection plots. Furthermore, Dr. Priestley does an excellent job in comparing the current force design method, with a new displacement design method.

This is an excellent book to review this method. Well explained with a lot of examples. It includes a CD with programs but you need the software MathLab to run them.The book Seismic Design and Retrofit of Bridges (same author) is a good complement for this book.

Very good for advance study in field of seismic-structural engineering. Cover a very broadband of materials, starting from basic of nonlinear method thru very advance topics.The negative points is high price of book. Somehow the authors try to prove their opinions and judgments for some practical and still theoretical subjects which may mislead the reader.

I recently graduated from a structural engineering grad program and found this book extremely useful for my research on PBD. The disk that accompanies the book is very useful however frustrating because the MATLAB code is for metric values.

Excellent Reference for Bridge and Structural engineers whowant to learn more on displacement capacity design.

Displacement Based Seismic Design of Structures ASD/LRFD Wind and Seismic: Special Design Provisions for Wind and Seismic with Commentary (2008) Seismic Design of Building Structures: A Professionals Introduction to Earthquake Forces and Design Details Seismic Design of Building Structures: A Professional's Introduction to Earthquake Forces and Design Details, 8th ed. Seismic Loads: Guide to the Seismic Load Provisions of ASCE 7 - 10 Seismic Loads: Guide to the Seismic Load Provisions of ASCE 7-05 Seismic Stratigraphy, Basin Analysis and Reservoir Characterisation (Handbook of Geophysical Exploration: Seismic Exploration) Seismic Design of Building Structures, 10th Ed Design of Seismic Isolated Structures: From Theory to Practice Response Spectrum Method in Seismic Analysis and Design of Structures (New Directions in Civil Engineering) Feminism, the Family, and the Politics of the Closet: Lesbian and Gay Displacement Beyond Displacement: Campesinos, Refugees, and Collective Action in the Salvadoran Civil War (Critical Human Rights) Writing Displacement: Home and Identity in Contemporary Post-Colonial English Fiction Basketball's Toughest Calls: Traveling, Block/Charge and Contact/Displacement Design and Analysis of Composite Structures: With Applications to Aerospace Structures SEAOC Structural/Seismic Design Manual 2009 IBC Vol 2: Building Design Examples for Light-Frame, Tilt-up and Masonry Algorithms: C++: Data Structures, Automation & Problem Solving, w/ Programming & Design (app design, app development, web development, web design, jquery, ...

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