



**I n t e r n a t i o n a l
H a n d b o o k o f
E a r t h q u a k e
E n g i n e e r i n g**

**C o d e s , P r o g r a m s ,
a n d E x a m p l e s**

e d i t e d b y M a r i o P a z

International Handbook of Earthquake Engineering: Codes, Programs, and Examples, Mario Paz, Springer, 1994, 0412982110, 9780412982118, 545 pages. This unique handbook compiles essential information on the theory, regulation, analysis, and design for the construction of seismically safe structures throughout the world in one comprehensive volume. The book begins with a section covering the fundamentals of earthquake engineering, serving as an up-to-date overview of structural dynamics. The focus of the book is on approaches to earthquake engineering from around the world. Experienced engineers from thirty-four countries present their national seismic codes and demonstrate their application with quantitative examples. Seismic codes of seismically active countries are included, from Mexico to Italy to Egypt to India. Each chapter details a country's geography and geology; history of recent significant earthquakes; and the socioeconomic context of the seismic code and its implementation. An appendix serves as a ready reference on the different methods of measurement of earthquake magnitude and intensity in seismically active countries. In addition, the chapter authors have developed easy-to-use computer programs of the code to specific structures. A convenient order form at the end of the book allows readers to order the program as a set, and they are available individually from the chapter authors. Engineers, professionals, and students involved in the design, construction, maintenance, and regulation of seismically safe structures throughout the world will benefit from this broad and accessible handbook. Mario Paz is Professor of Civil Engineering at the University of Louisville, Kentucky. He has been Head of the Department of Statistics with the Government of Chile, and has consulted on structural dynamics and earthquake engineering with numerous government agencies and industrial companies. In addition, he is the author of the widely used textbook STRUCTURAL DYNAMICS: THEORY AND COMPUTATION, now in its third edition in English and translated into several other languages..

Concrete structures in earthquake regions design and analysis, Edmund D. Booth, 1994, Technology & Engineering, 368 pages. Earthquakes pose one of the greatest challenges to structural designers. The last ten years have seen great human and economic loss from the collapse of concrete structures

Earthquake Design Practice for Buildings , David Key, Jan 1, 1988, Technology & Engineering, 218 pages. The lessons from earthquake damage - Ground motion - The calculation of structural response - Isolation and energy absorbers - Conceptual design - Design codes and lateral

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Manual of seismic design , James L. Stratta, 1987, Technology & Engineering, 272 pages. .

Proceedings, 1993 National Earthquake Conference , Central United States Earthquake Consortium, 1993, Nature, . .

Fundamentals of earthquake engineering , Nathan Mortimore Newmark, Emilio Rosenblueth, 1971, Technology & Engineering, 640 pages. .

Earthquake Resistant Design for Civil Engineering Structures, Earth Structures and Foundations in Japan , Doboku Gakkai, 1960, Earthquake resistant design, 106 pages. .

International Handbook of Earthquake & Engineering Seismology, Part 1 , William H.K. Lee, Paul Jennings, Carl Kisslinger, Hiroo Kanamori, Sep 27, 2002, Science, 1200 pages. Modern scientific investigations of earthquakes began in the 1880s, and the International Association of Seismology was organized in 1901 to promote collaboration of scientists

Earthquake Source Mechanics, Issue 37 , Shamita Das, John Boatwright, Christopher H. Scholz, Jan 1, 1986, Science, 341 pages. .

State of the Art Report on Seismic Design Requirements for Nonstructural Building Components , Long T. Phan, Andrew W. Taylor, Ph.D., Jun 1, 1996, Earthquake resistant design, 67 pages.

Seismic design requirements for nonstructural building components of five major building codes, including the 1994 Uniform Bldg. Code, the 1994 Standard Bldg. Code, the 1994

Proceedings, Fourth U.S. National Conference on Earthquake ..., Volume 3 May 20-24, 1990, Palm Springs, California, Earthquake Engineering Research Institute, 1990, Technology & Engineering, . .

Design for Earthquakes , James Ambrose, Dimitry Vergun, 1999, Architecture, 363 pages. This accessible guide to seismic design examines what earthquakes do to buildings and what can be done to improve building response to earthquakes. International examples and

The Seismic Design Handbook , Farzad Naeim, Aug 31, 1989, House & Home, 450 pages. .

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