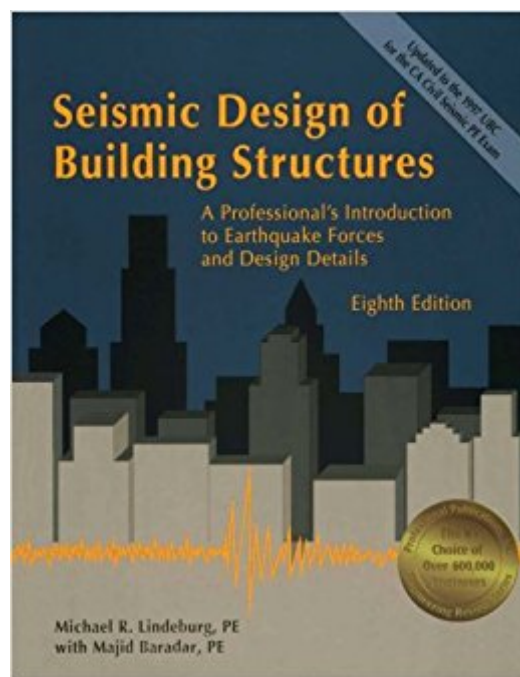




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Seismic Design Of Building Structures: A Professional's Introduction To Earthquake Forces And Design Details, 8th Ed.



Synopsis

Seismic Design of Building Structures provides essential background instruction for the seismic problems on the civil PE exam. Using relevant codes, this book presents topics from basic seismic concepts through detailing requirements. The 30 sample problems and 113 practice problems, all with step-by-step solutions, offer valuable preparation for the exam. The eighth edition references the 1997 Uniform Building Code, the version of the code currently tested on the exam. Exam subjects covered include: Analysis of diaphragms Detailing of roof-wall connections Calculating chord and strut forces UBC nailing requirements Bolt strengths

Book Information

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Customer Reviews

This book is written for engineers taking the civil PE exam, where seismic questions may appear, and for engineers taking the special seismic portion of the civil PE exam in California.

Michael R. Lindeburg, PE, is recognized among the engineering community as the leading authority on professional engineering licensing exam preparation. The author of many books on this subject, he has taught and supervised exam-review courses for over 25 years. He holds BS and MS degrees from Stanford University in industrial engineering.

I bought this book to study for the PE Structural 1. It is a thorough, item by item book that has excellent symbol references, clear definitions, worked examples etc. The author is interested on

you, the reader, understanding seismic design, unlike many of the other books on the market that cater to someone impressing their literary peers. The UBC 97 was a landmark in Seismic design, and although I agree with the other reviews that it may seem "out of date", I found it helpful to use this book to learn the fundamentals regarding seismic, which are still the same in today's codes. Excellent chapters on vibration and diaphragm analysis. All I can say is that it helped me tremendously in the PE, which is the reason I bought it.

While obviously intended to serve as a preparation textbook for professional engineering exam, it provides all essentials concepts and practical solutions for Seismic Design on a decent engineering level. It is not a how-to-do manual, but sufficiently updated with current UBC development and details it is very handy to have it around for a practicing engineer.

I cannot express my regret at not having this with me at the seismic portion of the California Civil PE exam. This is one of Lindeburg's best, and is a great reference for the exam and in daily use in seismic design. Well worth every penny. My only hope for this is that he updates it once California (finally) adopts the IBC building code.

Please see my review of the 3-book series in which this book is typically purchased in the reviews of "Seismic Principles Practice Exams."

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