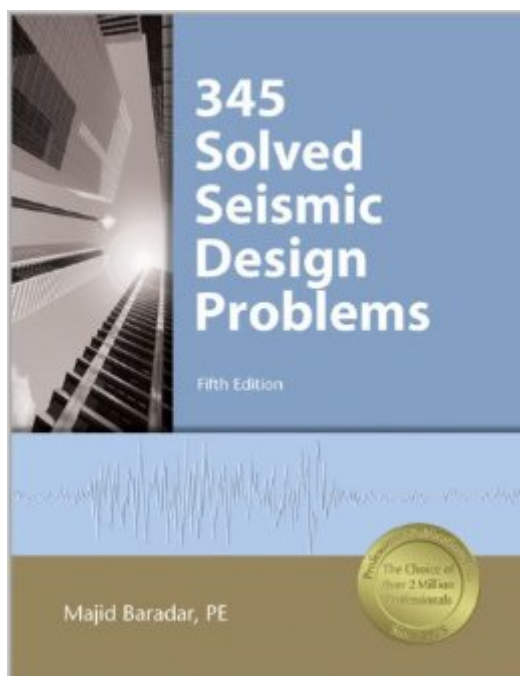


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# 345 Solved Seismic Design Problems



## Synopsis

Helps prepare for the civil PE exam. Covers Seismology principles, earthquake characteristics, Codes and regularity provisions, Diaphragm theory, Details of structures and Design problems. Paper. DLC: Earthquake resistant designs - Problems, exercises, etc. --This text refers to an out of print or unavailable edition of this title.

## Book Information

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## Customer Reviews

I found this book very informative. All key information related to seismic principles and UBC seismic codes are well presented and easy to understand. I highly recommend this book to all Civil Engineers. Also the other two books Mr. Baradar authored: Seismic Principles Practice Exams and Seismic Design of Building Structures should be on everyone's library.

I admit that learning seismic principles and UBC codes were the most difficult task in my civil engineering field. However, by studying this book in conjunction with Lindeburg and Baradar's Seismic Design of Building Structures, and using the other Baradar's book "seismic principles exams", I prepared myself for the CA Special Seismic Exam very well. Although I had no seismic background, these books assisted me to become a professional civil engineer by passing the seismic portion of the P.E. exam on the first try. I highly recommend this book as a must have book as a study aid.

This book is a must as a preparation tool for the Special Civil Engineering Seismic Exam. The book's Introduction covers the Seismic Principles Test Plan and it's broken down into chapters covering the different exam testing areas with plenty of practice problems within each chapter. This 3rd edition covers the 1994 UBC.

I got this despite some bad reviews on PPI materials for this exam because I didn't realize that the other review book that I bought came with practice questions and figured that one should be able to write sample problems even if one can't present a coherent review of the subject. Anyway, I have a pretty extensive background in the seismology and basic dynamics topics and I had to give up most of the way through the first section due to all of the questions that either made no sense, were ambiguous, or where the "correct" answer was wrong. Maybe the calculation-type questions are ok, but the obvious lack of understanding of the basics robbed me of all confidence in the book. I wish that I hadn't made all of those angry marks in it so I could return it. Anyway, the Hiner seismic review book has good number of sample questions which are a lot better, and pretty representative of what I found on the exam so please don't waste your time and money with this one.

This book contains all the practice problems you need. Make sure you do all of the problems and understand the solutions. **TIMING IS IMPORTANT.** You gotta do the problems quick. **YOU WILL** pass the seismic test in one shot, I promise.

The sample problems seemed pretty well aligned with what was on the test and makes for a decent reference during the exam as well. I wish it did a little better job of making clear what references (e.g. ASCE 7-10, IBC) are needed for the test and what specific sections need to be referenced. Overall, this is a must-have for taking the CA seismic exam, but plan on spending some time figuring out what references you need to include with it.

By solving all the introduced problems in this book and the other book by Mr. Baradar, I managed to pass the difficult seismic exam on my first attempt that many were skeptical. This book surely helped me to master the areas of the seismic engineering needed for this highly talked exam. Many great reviews were passed to me regarding this book and I also recommend it here.

This is a great addition to a review course that I took. Although this was not the instructor's favorite book, I find it shows me my weak areas. It is well rounded and helps one realize nuances of Seismic

terminology and calculations. It is set up so that one could break up the chapters and perform one's own Seismic Exams.

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