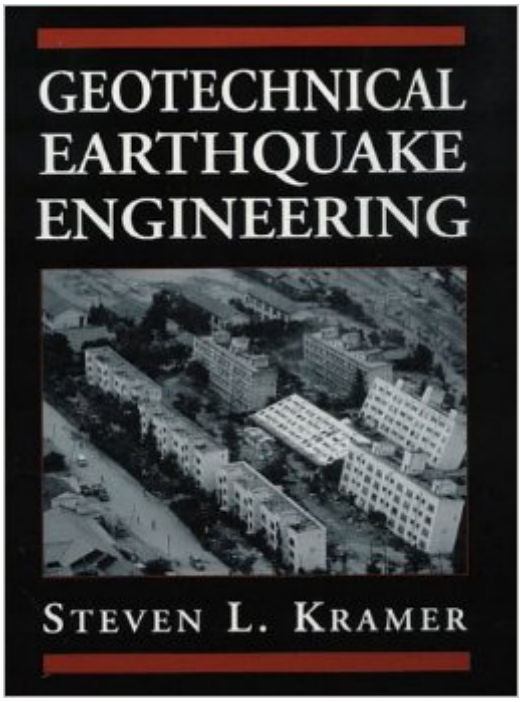
Geotechnical Earthquake Engineering



Synopsis

This is the first book on the market focusing specifically on the topic of geotechnical earthquake engineering. The book draws from the fields of seismology and structural engineering to present a broad, interdiciplinary view of the fundamental concepts in seismology, geotechnical engineering, and structural engineering.

Book Information

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Average Customer Review: 4.4 out of 5 starsÂ Â See all reviewsÂ (18 customer reviews)

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Customer Reviews

This was a very clear and complete introduction to geotechnical earthquake engineering. It cleared up a lot of those "grey" areas and summarized current (say through ’94) research.

One of the few books on geotechnical earthquake engineering. Treatment is extensive though it does not dwell in the specialist details for most topics. The chapter on "Ground response analysis" is excellent. I recently learnt of this professional software, "ProSHKAE" using the theory of this chapter to formulate its algorithm. I relied upon this book for a large part of my undergraduate research.

This book is good for graduate level. It contains lots of principles and applications in this field. References listed in the book are very useful as a starting point in geotech research.

I studied engineering and since I was in the college I have been using this book. I decided to buy it

cause I think is a mandatory book for any seismologist / engineering. Despite the content of the book which is great, the quality of the print os sooo poor. I wante a hard cover version because I really love this book, however I was so dissapointed by the faded colors of the front cover and the quality of the sheets. I paid a high price for this book and I am not happy with the quality of the printing.

Yes, this is an excellent overall introduction to the geotechnical aspects of earthquake engineering. We use it regularly in practice. The sections on seismic hazard analysis and seismic slope stability are particularly strong.

It is good stuff. I learned all the best soil dancing moves. I am going to tear it up on the dance floor now. As long as there are good shear waves.

This is a great book.It is true that some of the material could be updated - the book was published in 1996! Nonetheless, the basic principles of geotechnical earthquake engineering are there. Kramer's writing style makes difficult concepts accessible. The graphics and figures are nice and clear and support the text very well. A classic for anyone in the field.

Topics in geotechnical earthquake engineering is one of themost active fields and always in rapid changing. Only withseveral years off, the book by Professor Kramer is going tobe out-of-dated. Yet it is the BEST book available so far onthis topic.I found the information in this book is useful for learning andunderstanding, yet for the most excellent descriptions, wehave to refer directly to the scattered publications ofBerkeley School (i.e. Prof. H.Seed, R. Seed and J. Bray et al).

Geotechnical and Structural Aspects Earthquake Engineering: Damage Assessment and Structural Design (Methods & Applications in Civil Engineering) Matrix Analysis of Structural Dynamics: Applications and Earthquake Engineering (Civil and Environmental Engineering) Geotechnical Engineer's Portable Handbook Geotechnical and Environmental Geophysics (Investigations in Geophysics) Earthquake Engineering: Theory and Implementation with the 2015 International Building Code, Third Edition Fundamentals of Earthquake Engineering Advanced Soil Dynamics And Earthquake Engineering Bracing for Disaster: Earthquake-Resistant Architecture and Engineering in San Francisco, 1838-1933 Dynamics of Structures: Theory and Applications to Earthquake Engineering (2nd Edition) Basic Earthquake Engineering: From Seismology to Analysis and Design Dynamics of Structures: Theory and Applications to Earthquake Engineering Fundamental Concepts of Earthquake Engineering