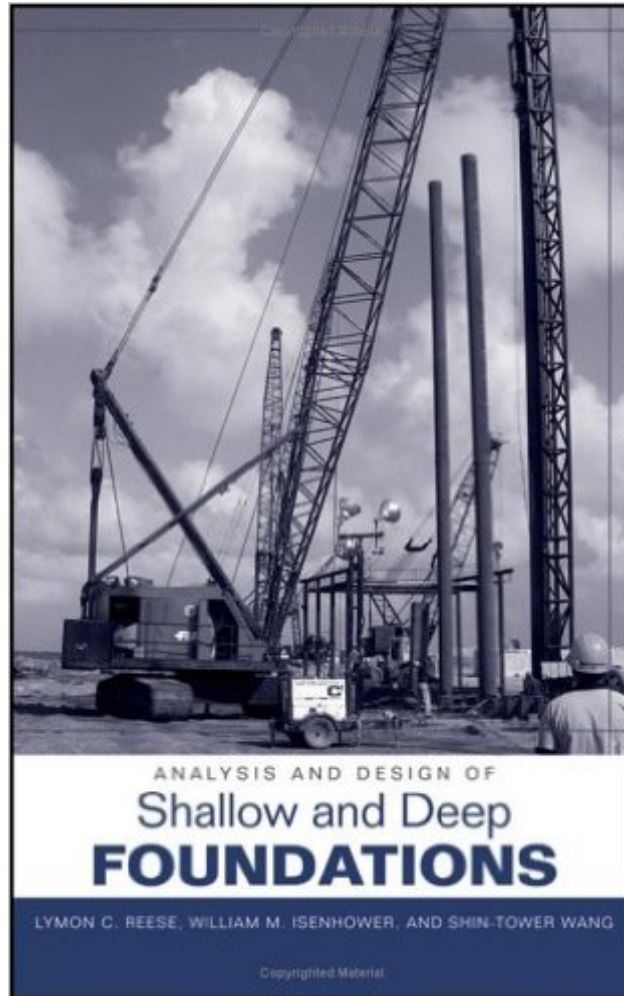


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Analysis And Design Of Shallow And Deep Foundations



Synopsis

One-of-a-kind coverage on the fundamentals of foundation analysis and design. Analysis and Design of Shallow and Deep Foundations is a significant new resource to the engineering principles used in the analysis and design of both shallow and deep, load-bearing foundations for a variety of building and structural types. Its unique presentation focuses on new developments in computer-aided analysis and soil-structure interaction, including foundations as deformable bodies. Written by the world's leading foundation engineers, Analysis and Design of Shallow and Deep Foundations covers everything from soil investigations and loading analysis to major types of foundations and construction methods. It also features:

- * Coverage on computer-assisted analytical methods, balanced with standard methods such as site visits and the role of engineering geology
- * Methods for computing the capacity and settlement of both shallow and deep foundations
- * Field-testing methods and sample case studies, including projects where foundations have failed, supported with analyses of the failure
- * CD-ROM containing demonstration versions of analytical geotechnical software from Ensoft, Inc. tailored for use by students in the classroom

Book Information

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Customer Reviews

I have found this book to be useful for my foundations class. However, I have made a lot of corrections in calculations, axis labeling, and other minor but important information in the text. It seems that some editing needs to take place prior to the next edition of this text. The content is good but minor errors are scattered through the book.

You may be able to find a lot of books on shallow foundations, but hard to find one on deep foundations. This is a great practical reference, and actually the only text book I have and use for deep foundations. However, I agree with the previous reviewer that it has errors, sometimes in the plus/minus signs in equations. That is very confusing and annoying, especially if you do not have another reference to cross-check. The material on group action of piles can be improved I think. Since Dr. Reese himself developed the LPILE software, its basis of analysis is described in detail, which is great because it is arguably universally used across the industry for lateral load analysis. Since good text on shallow foundations is available elsewhere, I wouldn't mind if it dealt exclusively with deep foundations and may be include more material on practical aspects of pile driving and construction of drilled piers. Overall, I find it very useful.

Excellent easy to read and navigate textbook. Standard for foundation design work.

All piling and foundation experience in one book. To solve daily problems for practising engineers. Dont doubt!!

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