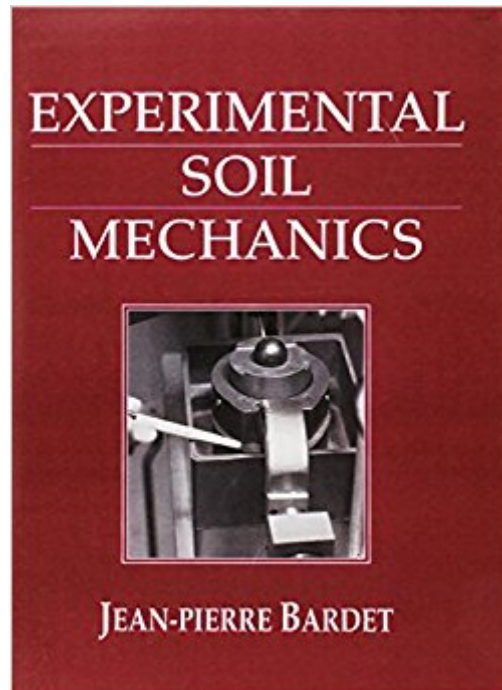




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Experimental Soil Mechanics



Synopsis

Basic soil testing book that emphasizes the basic principles of soil mechanics using spreadsheet data processing. The book includes soil laboratory experiments, and discussion of the theoretical concepts needed to interpret the experimental results.

Book Information

Paperback: 583 pages

Publisher: Pearson; 1 edition (February 10, 1997)

Language: English

ISBN-10: 0133749355

ISBN-13: 978-0133749359

Product Dimensions: 8.2 x 1.4 x 10.9 inches

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Customer Reviews

Innovative in perspective, this text offers a modern approach to basic experimental techniques for the determination of soil properties. It contains more than twenty hands-on laboratory experiments.

Basic soil testing book that emphasizes the basic principles of soil mechanics using spreadsheet data processing. The book includes soil laboratory experiments, and discussion of the theoretical concepts needed to interpret the experimental results.

The book may seem old (1997 with a floppy disc in the back) but the fundamentals haven't changed much in 17 years. This book explains concepts better than other soil mechanics books I have seen. It is especially useful for learning how to perform many different labs from direct shear to triaxial and how to analyze the data.

It is really a good book! This is why I decided to buy a hard copy!!!But...When it arrived, No disk! Poor quality!! I think a legal copy should not like this!!!Very disappointed!!!

Excellent book

new

Usually, books on the subject of experimental soil mechanics focus on laboratory procedures. This book, however, goes well beyond the procedures (which are neatly explained and illustrated with high quality photographs) and provides tools to process the resulting data with the help of common computer software. Those two features could be enough to make it an excellent choice for a textbook in experimental soil mechanics, but the author gives much more than that. The book provides the complete and solid theoretical background for each one of the experiments, such as the consolidation theory, the analysis of stresses in a soil mass, and the foundations of the strength of soils, etc., before introducing the respective test procedures. This is a very useful reference for teachers and students and very effective as a way to link theory and experiment. Besides all that, the book includes a detailed compilation of data about the soil properties that are studied in each experiment, common empirical correlations with other parameters or properties (with a critical point of view), and exercises with real case data. Although all this material is not new and can be found in several reference books, this is perhaps the first one that puts it all together with the plus of the software tools that make the data interpretation work much easier.

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