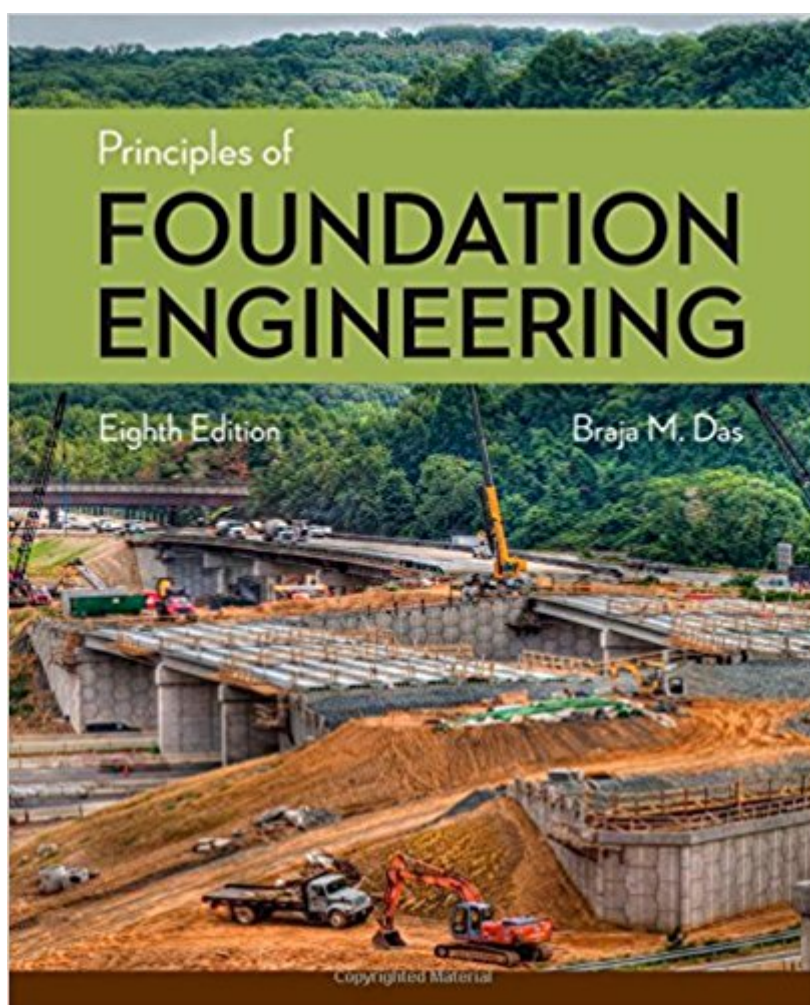


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Synopsis

Master the fundamental concepts and applications of foundation analysis design with **PRINCIPLES OF FOUNDATION ENGINEERING**. This market leading text maintains a careful balance of current research and practical field applications, offers a wealth of worked out examples and figures that show you how to do the work you will be doing as a civil engineer, and helps you develop the judgment you'll need to properly apply theories and analysis to the evaluation of soils and foundation design.

Book Information

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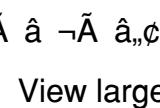
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Each chapter has worked-out examples that demonstrate how to do the actual work you'll be faced with as a civil engineer. Balanced coverage of the most up-to-date research and practical field applications also help you prepare for your future career. Study tools help you prepare for exams. New homework questions help you master and apply concepts, and photos bring concepts to life. Multiple theories & empirical correlations presented. Multiple theories and empirical correlations are presented to help you see that the soil parameters obtained from different empirical correlations are not always the same. Additional content provided. References at the end of every chapter allow you to further explore topics of interest.

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Dr. Braja Das is Dean Emeritus of the College of Engineering and Computer Science at California State University, Sacramento. He received his M.S. in Civil Engineering from the University of Iowa and his Ph.D. in Geotechnical Engineering from the University of Wisconsin. He is the author of a number of geotechnical engineering texts and reference books and more than 250 technical papers in the area of geotechnical engineering. His primary areas of research include shallow foundations, earth anchors, and geosynthetics. Dr. Das is a Fellow and Life Member of the American Society of Civil Engineers, Life Member of the American Society for Engineering Education, and an Emeritus Member of the Chemical and Mechanical Stabilization Committee of the Transportation Research Board of the National Research Council (Washington D.C.). He has received numerous awards for teaching excellence, including the AMOCO Foundation Award, the AT&T Award for Teaching Excellence from the American Society for Engineering Education, the Ralph Teetor Award from the Society of Automotive Engineers, and the Distinguished Achievement Award for Teaching Excellence from the University of Texas at El Paso.

The book came as advertised. No issues with seller, or delivery. However, this author is clearly just out to make money. There are several mistakes in this edition, that were not in the first edition. Answers in the back of the book are often incorrect, and several examples clearly evaluate to the wrong numerical value. I recommend saving your money and stick with the 7th edition.

this book is really great and it helps a lot when doing all high grades in this fields. I liked the previous edition but I also want to be updated so I just bought this wonderful book

Very good foundations book!

Good

I am using this book currently for my undergraduate foundation design course. There are a lot of things that this book does well. Firstly it has a lot of special cases: foundations with inclined or eccentric loading, foundations on a slope, foundations near a slope, foundations with bedrock close to the surface, foundations on layered clay, etc. It has A LOT of equations and different methods that have been empirically derived by researchers in the field. The problem with this book: 1. There is not enough explanation in this book. The book is set up with so many formulas that basically I found myself literally "plug and chugging", you literally go to the section that you need and all the formulas you will use will be there or are used in the example problems and thus you know exactly what you need to use. On top of that some of the sections give you numbered steps of what to do. It's very easy and very straightforward but leaves you asking, "what am I doing? why am I doing this? How does any of this really make sense?". You will find yourself knowing how to do a lot of these problems, but not really fully understanding what exactly is going on. The book is more about listing equations, showing useless mathematical derivations, and teaching how to solve foundation problems. There is not much effort put into teaching the material and subject-matter. 2. LOADS OF MISTAKES. This book is full of mistakes from cover to cover. Sometimes the equations in the text and the equations in the example problems don't exactly match and it's an obvious typo. Today I was looking over a problem that had a Pile depth of 10 feet but they used 11 feet in the calculation. You will be amazed at the number of mistakes you will find in this book that will make you feel uneasy. I was told by my previous professor for soil mechanics (who unfortunately couldn't teach the class this semester) that she chose this book because it had a lot of different scenarios in it. Apparently they use Coduto's book for advanced foundation design. I would recommend this book if you are interested primarily in solving different, special-case scenarios, since I don't think most foundation books will cover as many specific topics.

Great book for learning foundation design as you get to discover all of the errors in the text and the

problem solutions. Our graduate level students kept a second set of solutions for their Teaching Assistant office hours. The author did a great job of browsing the internet for multiple explanations although it would have been nice if he had spent a little time researching why to use one approach over another. Knowing when to use a solution procedure is often better than knowing that there are multiple ways to solve a similar problem. It was especially problematic when he did not note the input units, like the use of degrees or radians, in theories presented one immediately after the other that used different input units. Once you get past the errors in the book, it is a fairly good tool to have. I use it, and previous versions, in my practice and teaching and have since the Second Edition.

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