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Simplified Site Engineering



Synopsis

A concise, highly accessible source for site engineering basics. This updated edition of Parker's classic text introduces the basic issues, tasks, and problems of site engineering to students and professionals who need to understand the significance of surveying data. It presents the fundamentals of site engineering --surveying and mapping, drainage, slope stabilization, and basic structures --and explains in detail the solutions to a wide variety of problems, including: *

Interpretation of deed descriptions * Dimensioning buildings and sites when angles are other than right angles * Computing areas for irregular plots * Dimensioning and laying out circular curves for driveways and buildings * And much more. Featuring a simplified, accessible style with numerous examples of problems and their solutions, as well as references and practical aids that facilitate home study, this is the ideal surveying and site-planning primer for students in architecture, landscape architecture, and civil and structural engineering. It is also an excellent handbook for working architects, building contractors, and professionals in related fields.

Book Information

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Customer Reviews

This book explains the fundamentals of structural analysis (mainly statically determinate structures) and then goes on to the design fundamentals for different materials (wood, steel, concrete and masonry) followed by the design of the structural system for a building. I first used an earlier edition of this book when studying for my undergraduate degree as an introductory book before reading the course texts. The present edition maintains the "easy to understand" explanations of the earlier

edition while adding new materials, expanding other sections and updating the design methods in line with the building codes. Emphasis is placed on understanding, the explanations given are very clear and there are numerous worked examples to illustrate the principles. The book is excellent for the beginner first getting used to structural analysis and design or for the practising engineer who has not touched structures for a while and wants to refresh his memory. However this book is only the first step and the undergraduate or practising engineer would do well to follow up on this with other more specialised books like Wang and Salmon's "Reinforced Concrete Design", Salmon and Johnson's "Steel structures: Design and behaviour", or Halperin and Bible's "Principles of Timber Design for Architects and Builders".

I purchased this book years ago for Structural Analysis courses for my Architecture/Construction Management Courses and it has traveled with me through my career in commercial construction. The formulas and chapters are very well laid out with great reference material in the appendix. Although I am not a licensed engineer, I can use the theories, methods and formulas in this book to make recommendations. The book itself is very compact, but will not stack well. If you're like me, you'll need this book at the top of your pile. It is shallower and shorter, but thicker than all my other text books. Excellent content.

If you are studying for the ARE you will never find a higher return on investment. This book will save your bacon.

Very good review for Architects. A few errors but none that hindered class. Liked use of "shortened" tables. Good explanation of material

It's great. Thank you

My standby reference book in the field.

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