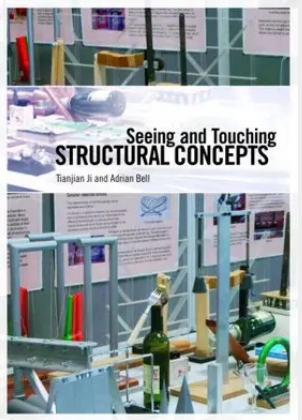
Ji / Bell

Seeing and Touching Structural Concepts



The pioneering website www.structuralconcepts.org, by Tianjian Ji and Adrian Bell, goes back to basics and explains in detail the basic principles of structural concepts and how they relate to the real world. Following on from and expanding upon the website, comes this book. Essential for the civil engineering student, it examines the concepts in closer detail with formulae and technical terminology, while remaining grounded in the website's practical approach. With hundreds of photographs and diagrams, you are encouraged to visualize each concept in turn and to understand how it applies to every day life.

Bridging the gap between theory and practice, this user-friendly textbook aids students' understanding of abstract structural concepts through visualising, identifying and appreciating their applications in practice. Written by authors who have considerable teaching experience, this book features: a 'recipe' format that allow chapters to be read independently and out of sequence; extra learning support from an associated website with regularly updated content; practical examples to help bridge the gap between theory and practice. Over twenty structural concepts are illustrated using physical models and engineering examples. Each concept is covered with a succinct summary, followed by examples and consideration of its theoretical basis. Demonstration models are presented using photographs to enable the concept to be visualised. Examples are given to show how the concept is used in practice, and in some cases the verification and applications of the concept are discussed further. The authors also maintain a companion website to this book, which can be found at www.structuralconcepts.org.

Auf Anfrage

Lieferfrist: bis zu 10 Tage

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