



Further Problems in the Theory and Design of Structures: An Advanced Text-Book for the Use of Students, Draughtmen, and Engineers Engaged in Constructional Work (Paperback)

By Ewart S Andrews

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. A Text-Book for the Use of Students, Draughtsmen, and Engineers Engaged in Constructional Work, is the title page description of the first of these two volumes, which is a well written and well developed theoretical treatise giving considerably more space to the theory of stresses and to the elementary and fundamental consideration of the subject of beams and flexure than is the case with the familiar American text-books. Although many of the subjects have been developed mathematically, graphical constructions have been used to a great extent, with the result that many of the formulae, especially those relating to deflections and fixed and continuous beams, are very simply and clearly deduced. The first three chapters are devoted to principals of stresses and strains; forces, areas and moments. Graphical methods for the determination of moments of inertia and their adaptation to any section are very clearly presented and proved. Chapter Four deals with riveted joints and connections and gives a table of the British standard beam connections. A discussion of the methods of failure of riveted joints is also...

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