



METADATA

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Abstract

This book is mainly addressed to undergraduate students in Civil Engineering Departments of universities and TEs, who are attending the corresponding course, i.e., Statics I, which deals with isostatic bodies. The book presents in detail a relatively large series of selected exercises aimed at consolidating the understanding of the methods of calculation of static quantities (stress and strain) of isostatic bodies. In order to enable the reader to practice systematically and methodically, the exercises are arranged in several groups corresponding to separate chapters. Each group of exercises refers to a discrete part of the theory concerning either a method

of calculating static quantities or a type of static body. The solutions of the exercises are given in detail/analytically, while often and at various points, reminders of fundamental concepts or notes of basic assumptions are made, in order - through repetition - to better consolidate the methods and techniques of static calculations. For the sake of simplifying the calculations and highlighting the essential characteristics of the solution methods used, most of the exercises in this volume concern planar bodies, without, of course, limiting the generality of the solution methods used. However, several exercises for spatial operators are also presented.

