

Strength of Materials #9780201020502 #Robert W. Fitzgerald #Addison-Wesley Publishing Company, 1967 #1967

This book is about Strength of Materials. It is not a handbook rather intended as a textbook for the present and hopefully future generations of Strength of Materials. This textbook provides the students with the theoretical background and engineering applications of the theory of Strength of Materials. It is divided into two parts. Part one, Modeling and Analysis, is devoted to this solution of these engineering problems that can be approximated by means of the linear models. The second part, Experimental Stress Analysis and Mechanical Testing. The book cover the curriculums educated in most The strength of materials. A text-book for engineers and architects. By ewart s. andrews. Author of "Theory and design of structures," "Reinforced concrete construction," "Calculus for engineers," etc. London; chapman and hall, ltd; 191. Including the strength of materials and theory of flexure, also the determination of dimensions and designing of details, specifications and complete designs and working drawings. By jay du bois, professor of CIVIL engineering in the sheffield scientific school of vale university. New york; john wiley & sons; 1896. Strength of materials. A text book for manual training schools. Strength of Materials in Engineering Mechanics. This book is a first course in the analysis of structures. Although most of the material should be accessible to all students who have had a mechanics course, a previous exposure to Engineering Mechanics would be useful. There are no mathematical prerequisites, though some elementary calculus would be useful in certain sections which can be skipped without affecting the flow of the book. Introduction. Introductory Concepts. Axial Deformation of Bars. Strength of materials by Stephen Timoshenko is highly acclaimed work by the writer and this book is popular all over the world. Timoshenko, being a Ukrainian and later an American Engineer is considered as the Father of modern Engineering Mechanics. He has written in various areas like mechanics, elasticity and strength of materials, his books are still used widely. In this edition of "Strength of Materials", a considerable number of new questions are added. In addition to these, two more chapters on "bending of beams" and "bending of curved bars" are added to keep the book up to date. This bo...