Elasticity

By Robert W.Soutas- Little

Dover Publications Inc., United States, 2010. Paperback. Book Condition: New. New edition. 216 x 137 mm. Language: English . Brand New Book. According to the author, elasticity may be viewed in many ways. For some, it is a dusty, classical subject . . . to others it is the paradise of mathematics. But, he concludes, the subject of elasticity is really an entity itself, a unified subject deserving comprehensive treatment. He gives elasticity that full treatment in this valuable and instructive text. In his preface, Soutas-Little offers a brief survey of the development of the theory of elasticity, the major mathematical formulation of which was developed in the 19th century after the first concept was proposed by Robert Hooke in 1678. The theory was further refined in the 20th century as a means of solving the equations presented earlier. The book is divided into three major sections. The first section presents a review of mathematical notation and continuum mechanics, covering vectors and tensors, kinematics, stress, basic equations of continuum mechanics, and linear elasticity. The second section, on two-dimensional elasticity, treats the general theory of plane elasticity, problems in Cartesian coordinates, problems in polar coordinates, complex variable solutions, finite difference and...

READ ONLINE
[6.15 MB]

Reviews

It becomes an incredible book that we actually have possibly study. It really is rally exciting throgh studying period of time. I am very easily could get a satisfaction of reading through a written book.
-- Gianni Hoppe

A really awesome pdf with perfect and lucid reasons. It is actually rally fascinating throgh reading period of time. Your lifestyle period will probably be transform as soon as you total looking over this ebook.
-- Alford Kihn