



Non-local Structural Mechanics ISTE

By Michael McCarthy

Wiley-ISTE. Hardcover. Condition: New. 384 pages. Dimensions: 9.8in. x 5.9in. x 1.5in. This book gives science and engineering graduates and researchers a detailed understanding of the methods ofnon-local analysis necessary for nanoscale structures. The conventional local elasticity theory has underpinned the majority of applications of continuum mechanics in applied science and engineering since its inception in the early 19th Century. The application of the local elasticity theory in the context of nanoscale objects has been repeatedly questioned in various research articles over the past decade. Non-local elasticity theory, pioneered from the 1970s, is a scale-dependent theory and is considered to be more suitable for analyzing nanoscale objects such as carbon nanotubes and graphene sheets. This book is the first comprehensive text to cover non-local elasticity theory for static, dynamic and stability analysis of wide-ranging nanostructures. The authors draw on their considerable research experience in this field. The text will be written from a mechanics standpoint, with numerous worked examples relevant across a wide range of nanomechanical systems. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Hardcover.



Reviews

This is an remarkable publication that I have ever read. Indeed, it is actually engage in, nevertheless an interesting and amazing literature. I am just happy to inform you that this is the best publication i have got go through during my personal lifestyle and may be he finest ebook for actually. -- Toby Baumbach

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