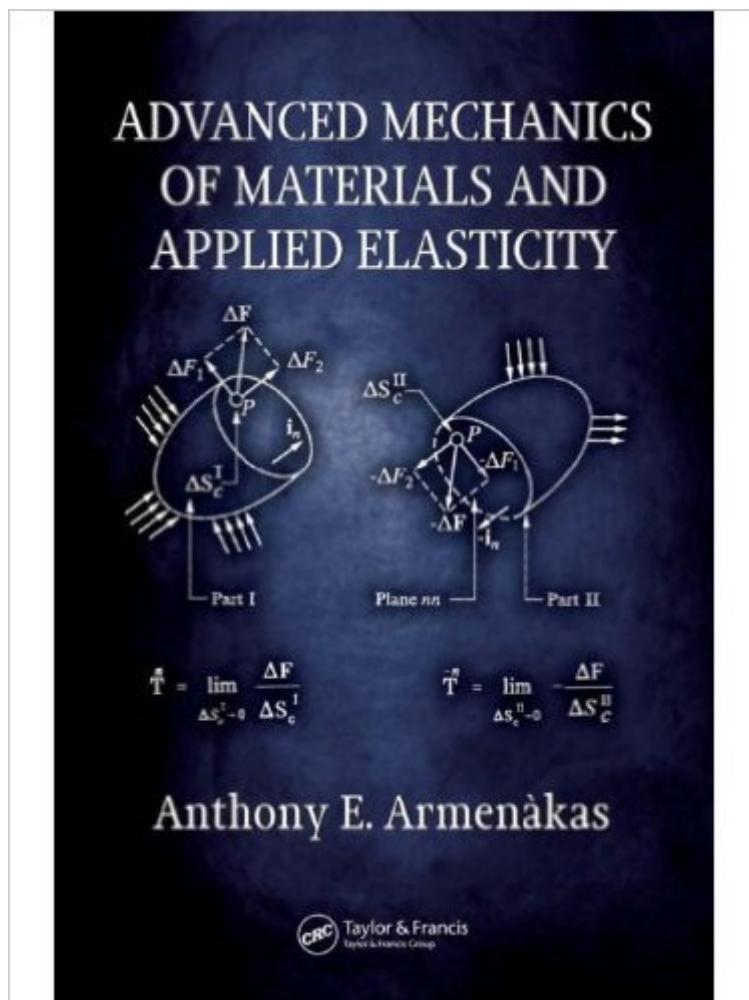


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Synopsis

This book presents both differential equation and integral formulations of boundary value problems for computing the stress and displacement fields of solid bodies at two levels of approximation - isotropic linear theory of elasticity as well as theories of mechanics of materials. Moreover, the book applies these formulations to practical solutions in detailed, easy-to-follow examples. Advanced Mechanics of Materials and Applied Elasticity presents modern and classical methods of analysis in current notation and in the context of current practices. The author's well-balanced choice of topics, clear and direct presentation, and emphasis on the integration of sophisticated mathematics with practical examples offer students in civil, mechanical, and aerospace engineering an unparalleled guide and reference for courses in advanced mechanics of materials, stress analysis, elasticity, and energy methods in structural analysis.

Book Information

File Size: 65545 KB

Print Length: 992 pages

Simultaneous Device Usage: Up to 4 simultaneous devices, per publisher limits

Publisher: CRC Press; 1 edition (April 19, 2016)

Publication Date: April 19, 2016

Sold by: Digital Services LLC

Language: English

ASIN: B006WCV37O

Text-to-Speech: Not enabled

X-Ray: Not Enabled

Word Wise: Not Enabled

Lending: Not Enabled

Enhanced Typesetting: Not Enabled

Best Sellers Rank: #533,896 Paid in Kindle Store (See Top 100 Paid in Kindle Store) #23

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although this book wasn't used heavily (except for problems) for my class, i got the impression that it's overly detailed, at least for undergraduates.

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