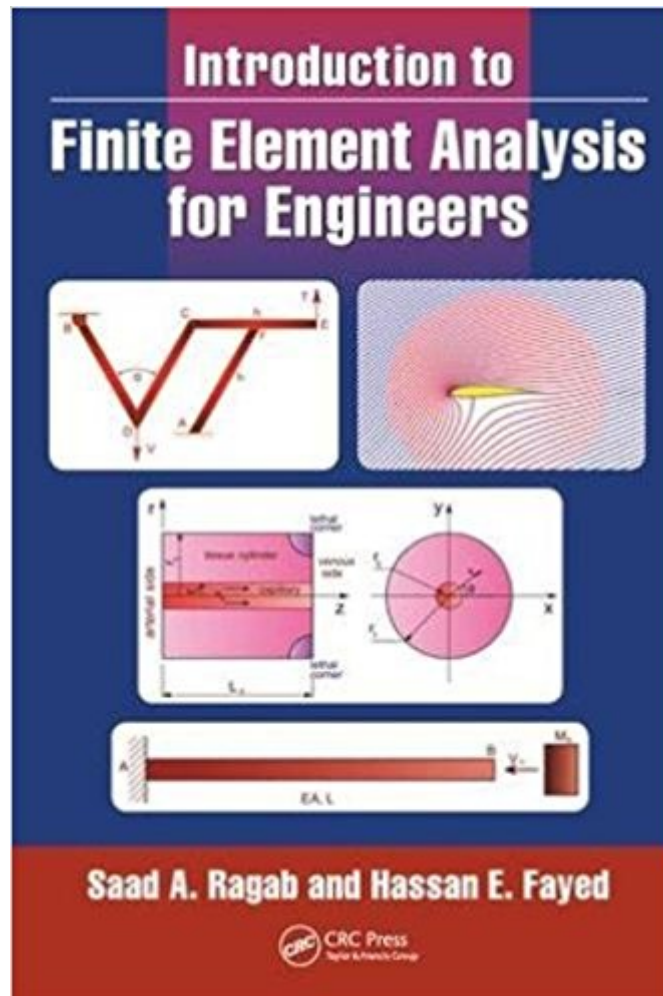




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Introduction To Finite Element Analysis For Engineers



Synopsis

Finite Element Analysis for Engineers introduces FEA as a technique for solving differential equations, and for application to problems in Civil, Mechanical, Aerospace and Biomedical Engineering and Engineering Science & Mechanics. Intended primarily for senior and first-year graduate students, the text is mathematically rigorous, but in line with students' math courses. Organized around classes of differential equations, the text includes MATLAB code for selected examples and problems. Both solid mechanics and thermal/fluid problems are considered. Based on the first author's class-tested notes, the text builds a solid understanding of FEA concepts and modern engineering applications.

Book Information

Hardcover: 566 pages

Publisher: CRC Press; 1 edition (July 17, 2017)

Language: English

ISBN-10: 1138030171

ISBN-13: 978-1138030176

Product Dimensions: 1.5 x 6.2 x 9.2 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

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