

Elements Of Continuum Mechanics And Thermodynamics

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Provides a complete course in continuum mechanics with examples and exercises and a chapter on continuum thermodynamics. This text is intended to provide a modern and integrated treatment of the foundations and applications of continuum mechanics. There is a significant increase in interest in continuum mechanics because of its relevance to microscale phenomena. In addition to being tailored for advanced undergraduate students and including numerous examples and exercises, this text also features a chapter on continuum thermodynamics, including entropy production in Newtonian viscous fluid flow and thermoelasticity. Computer solutions and examples are emphasized through the use of the symbolic mathematical computing program MathematicaAAE. EAN/ISBN : 9780511530692 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Wegner, Joanne L. - Haddow, James B.

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