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Given the danger associated with the use of these computer codes in circumstances where the model is not valid, engineers have a need for an in depth understanding of continuum

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understanding of continuum mechanics
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nucleated by Professors Douglas Amarasekara and Munidasa Ranaweera of the (then) University of Ceylon, and was subsequently shaped and

Continuum Mechanics - MIT

Fundamentals of Continuum Mechanics provides a clear and rigorous presentation of continuum mechanics for

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engineers, physicists, applied mathematicians, and materials scientists. This book emphasizes the role of thermodynamics in constitutive modeling, with detailed application to nonlinear elastic solids, viscous fluids, and modern smart materials.

Fundamentals of Continuum

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text suitable for a

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This website presents the principles of finite deformation continuum mechanics with many example applications to metals and incompressible viscoelastic materials (rubber). It can serve as lecture notes for a graduate level course

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in continuum mechanics for engineers interested in the subject.

Continuum Mechanics

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This book was born with the vocation of being a tool for the training of engineers in continuum mechanics. In fact, it is the fruit of the experience in teaching this discipline during many years at the Civil Engineering School of the Technical University of Catalonia

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(UPC/BarcelonaTech), both in
undergraduate degrees (Civil
Engineering and Geological Engineering)
and postgraduate degrees ...

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