



Applied Continuum Mechanics

By T. J. Chung

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This book offers a concise, applications-oriented introduction to continuum mechanics. It begins with a review of vectors and tensors and their applications to the domain and boundary integrals. The remaining chapters cover kinematics, equilibrium and kinetics, elastic solids, and Newtonian fluids. Every chapter includes numerous worked examples and problems. By providing a reasonable balance between mathematical rigor and practical applications, between solids and fluids, and between linear and nonlinear theories, this timely book will be useful to engineering students, as well as practicing engineers and applied scientists.

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