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NN = Number of Nodes; NE = Number of Elements; NM = Number of Different Materials NDIM = Number ofCoordinates per Node (e.g.,NDIM Uor2-D,or = 3for3.D); NEN = Number of Nodes per Element (e.g., NEN = 3 for 3-noded trianguJar element, or = 4 for a 4-noded quadrilateral)

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J. N. Reddy, An Introduction to Nonlinear Finite Element Analysis, Oxford University Press, Oxford, UK, 2004. The computer problems FEM1D and FEM2D can be readily modi?ed to solve new types of ?eld problems. The programs can be easily extended to ?nite element models formulated in an advanced course and/or in research.

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Finite Element Method

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