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NN = Number of Nodes; NE = Number of Elements;

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NDIM = Number of Different Materials
NDIM = Number of Coordinates per Node (e.g., NDIM for 2-D or = 3 for 3-D):
NEN = Number of Nodes per Element (e.g., NEN = 3 for 3-noded triangular 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

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- The term finite element was first coined by Clough in 1960. In the early 1960s, engineers used the method for approximate solutions of problems in stress analysis, fluid flow, heat transfer, and other areas. - The first book on the FEM by Zienkiewicz and Chung was published in 1967.

Finite Element Method

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