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incorporate the two force components at each node and the two displacement components at each node.  $F1X+1 \ 0 \ -1 \ 0 \ X1 \ F1Y0 \ 0 \ 0 \ Y1$

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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.

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