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approximate it using FEM. 1.1 The Model Problem The model problem is: $-u'' + u = x$ $0 < x < 1$ $u(0) = 0$ $u(1) = 0$ (1)

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While Turner's application for the direct stiffness finite element method was vibration calculations to facilitate flutter and dynamic analysis, Ray Clough, from the University of California at Berkley, partnering with Boeing, realized that this method could be applied to stress analysis. Many others contributed to the development and popularization of today's modern finite element method ...

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