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The finite element method is a numerical method that can be used for the accurate solution of complex engineering problems. Although the origins of the method can be traced to several

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The finite element method is a numerical method that can be used for the accurate solution of complex engineering problems. The method was first developed in 1956 for the analysis of aircraft structural problems.

### The Finite Element

The name finite element was coined, for the first time, by Clough in 1960 [1.42]. Although the finite element method was originally developed based mostly on intuition and physical argument, the method was recognized as a form of the classic Rayleigh-Ritz method in the early 1960s.

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1960: The name "finite element" was coined by structural engineer Ray Clough of the University of California By 1963the mathematical validity of FE was recognized and the method was expanded from its structural beginnings to include heat transfer, groundwater flow, magnetic fields, and other areas.

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