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Finite element method - Wikipedia

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The following are the general steps of the finite element method.

Step 1 Divide the body into an equivalent system of finite

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elements with associated nodes and choose the most appropriate element type. Step 2 Choose a displacement function within each element. Step 3 Relate the stresses to the strains through the stress/strain law—generally

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16.810 (16.682) 14 Brief History - The term finite element was

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first coined by clough in 1960. In the early 1960s, engineers used the method for approximate solutions of problems

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