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(1) Static; (2) Small  
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The finite element method (FEM), or finite element analysis (FEA), is a computational technique used to obtain approximate solutions of boundary value problems in engineering. Boundary value problems are also called

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A small triangular element that encloses a finite-sized subdomain of the area of interest is

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shown in Figure 1.1b.

That this element is not a differential element of size  $dx \times dy$  makes this a finite element.

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Finite Element Analysis  
is a comprehensive  
course and structured  
on a bottom-up  
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