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(FEM), or finite
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(FEA), is a

computational

technique used

to obtain

approximate

solutions of

boundary value

problems in

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Boundary value

problems are

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Method also called the
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where $u_1 = 0$, $u_3 = 0$ as nodes 1 and 3 are fixed.

Using Equations

(1) and (3) of

(A) 2000 1800.

Solving $u_2 =$

11.86 mm, $u_4 =$

7.63 mm 2.7. f_{1x}

$= C$, $f_{2x} = -C$ f

$= -k = -k (u_2$

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function u that
may be the

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variable in a

PDE (i.e.,

temperature,

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equations Thus
eq. (10) yields
$$t+At_i(i-1)AU(i)$$
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