

## First Course Finite Elements Solution Manual

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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.  $f_{1x} = C$ ,  $f_{2x} = -C$   $f = -k = -k(u_2 - u_1)$   $f_{1x} \dots$

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