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Elements Solution

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. $f_1x = C$, $f_2x = \frac{1}{2} C$

$f = \frac{1}{2} k = \frac{1}{2} k (u_2 - u_1)$

$f_1x \dots$

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Chapter 1 1 Chapter 2

3 Chapter 3 23

Chapter 4 127

Chapter 5 183

Chapter 6 281

Chapter 7 319

Chapter 8 338

Chapter 9 351

Chapter 10 371

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Five typical areas where the finite element is applied are as follows. (1)

- Structural/stress analysis
- (2) Heat transfer analysis
- (3) Fluid flow analysis
- (4) Electric or magnetic potential distribution analysis
- (5)

Biomechanical engineering 1.13. Five advantages of the

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