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Chapter 2 3 Chapter 3
Page 7/24

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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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Step 1 Divide the body
into an equivalent
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appropriate element

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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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where $u_1 = 0$, $u_3 = 0$ as nodes 1 and 3 are fixed. Using Equations (1) and (3) of (A) 2000 1800. Solving $u_2 =$

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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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Step 1 Step 2 Step 3

Step 4 Step 5 Step 6

Step 7 Step 8 Divide

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