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\Omega } . In the preceding
treatment, the grid
consisted of triangles, but
one... Then, one chooses
basis functions. In our
discussion, we used
piecewise linear basis
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element dimensions in the global coordinate system with the equivalent dimensions in the natural coordinate system.; 2 dX L dX Jdr J dr = = = ? ? = 1 1 1 1 L AE K From the equations above, the

stiffness matrix of a bar is obtained as) J ˆ J ...

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