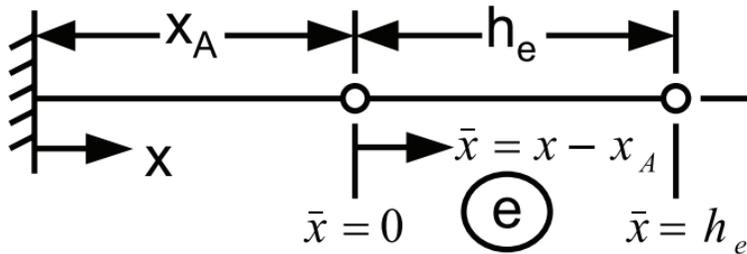
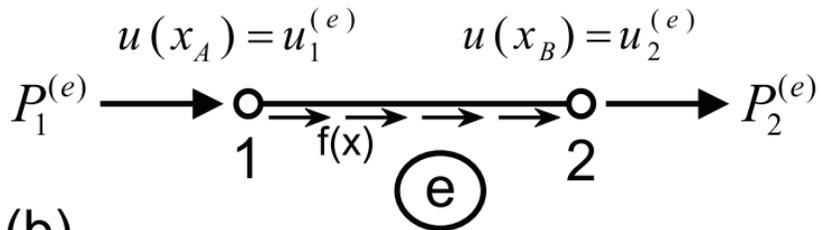


Figure 2.1 Physical and mathematical (idealization) model.



(a)



(b)

Figure 2.2 Discretization into elements.

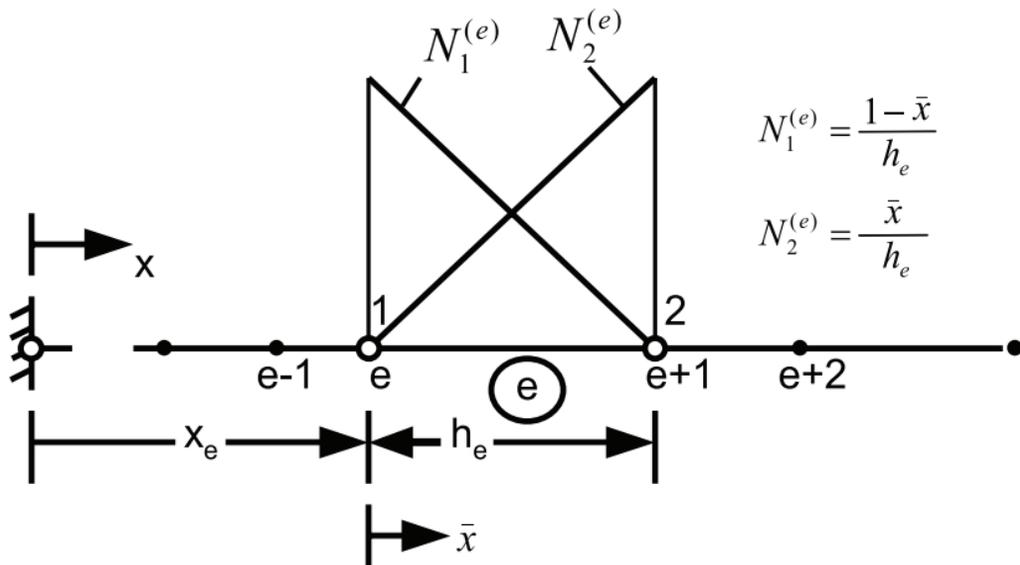


Figure 2.3 Linear interpolation functions for a two-node element rod.

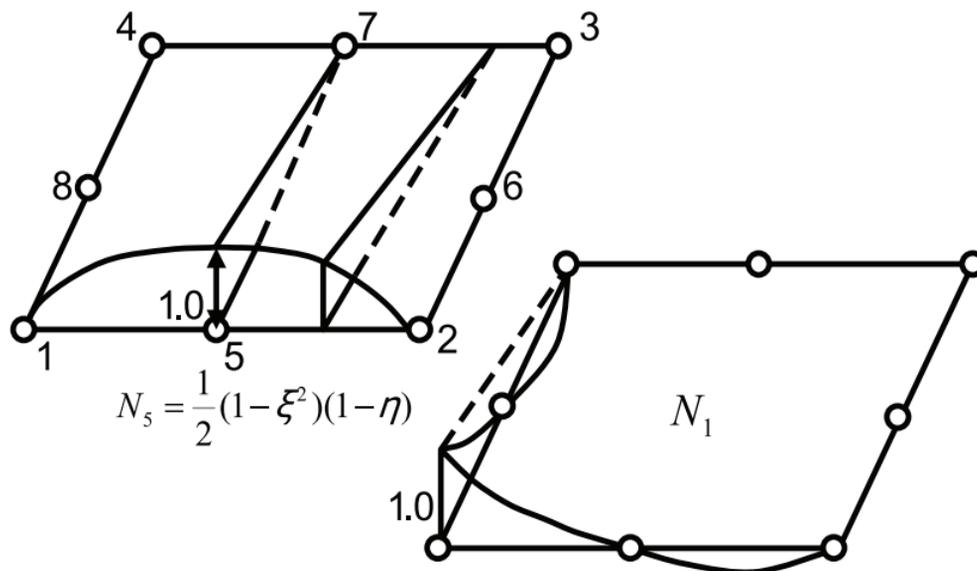


Figure 2.4 Two-dimensional interpolation functions.

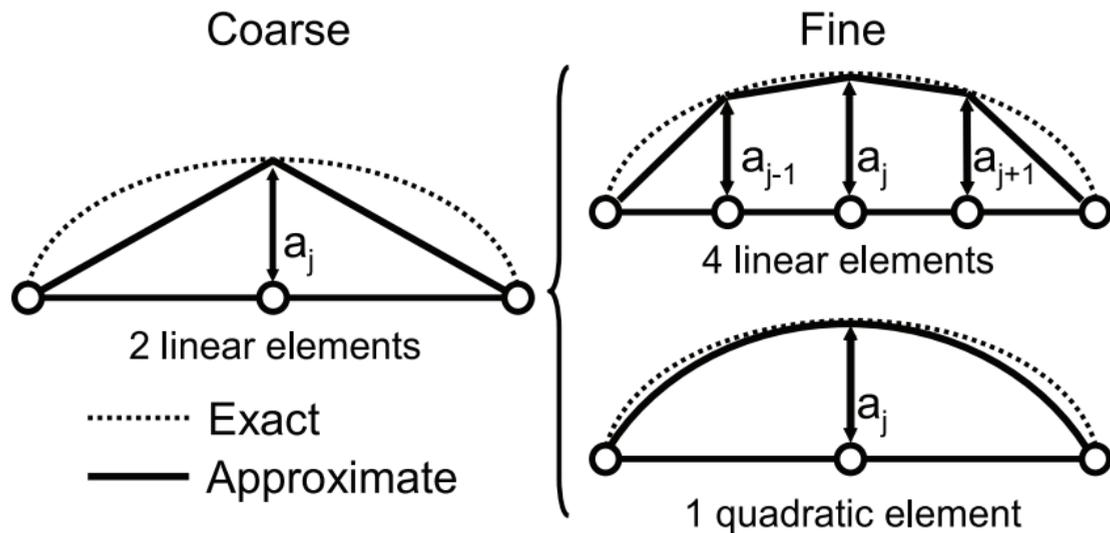


Figure 2.5 Discretization error.

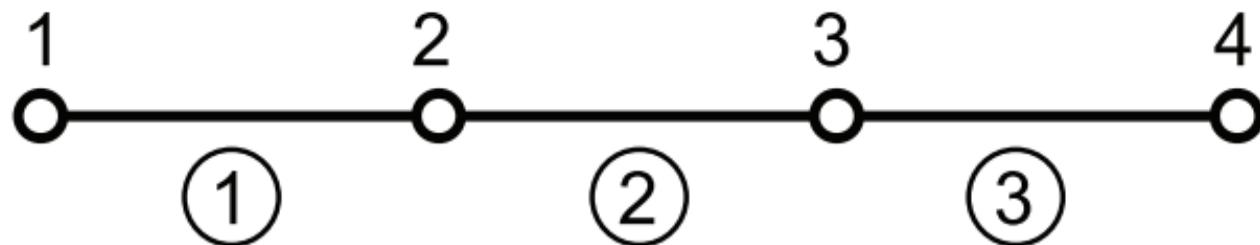


Figure 2.6 Connectivity between three two-node elements.

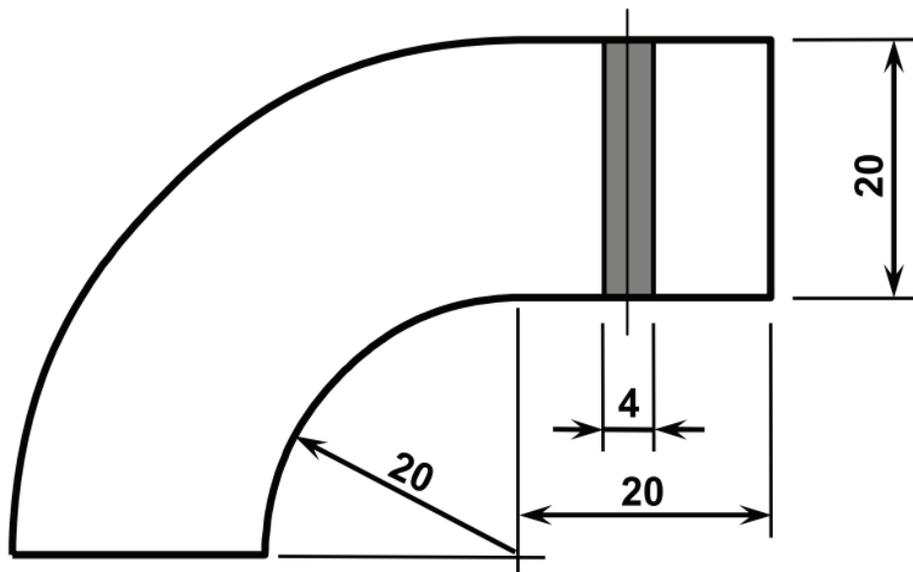


Figure 2.7 Curved beam.

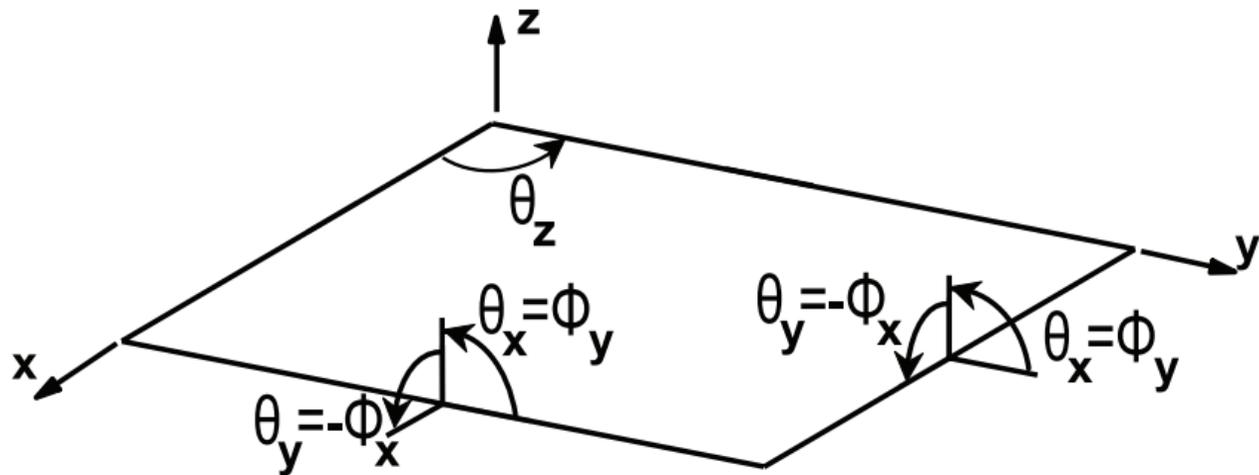


Figure 2.8 Convention for rotations of a plate or shell.

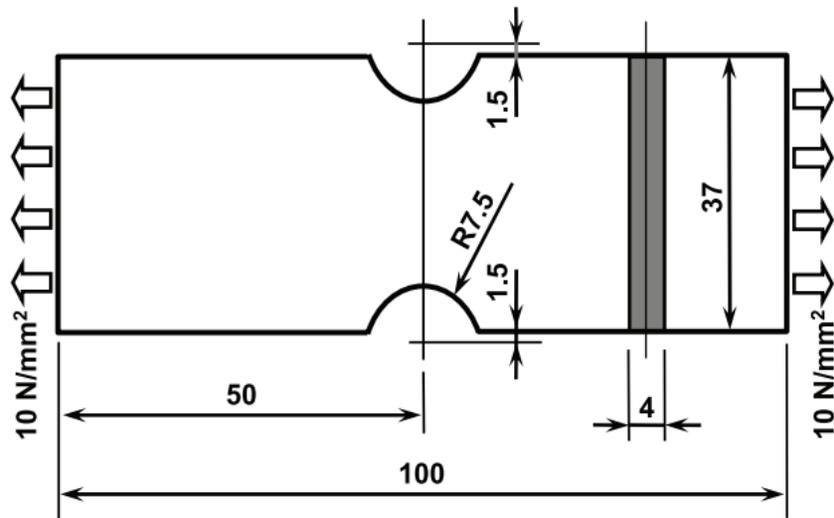


Figure 2.9 Rectangular notched strap analyzed in Example 2.5.

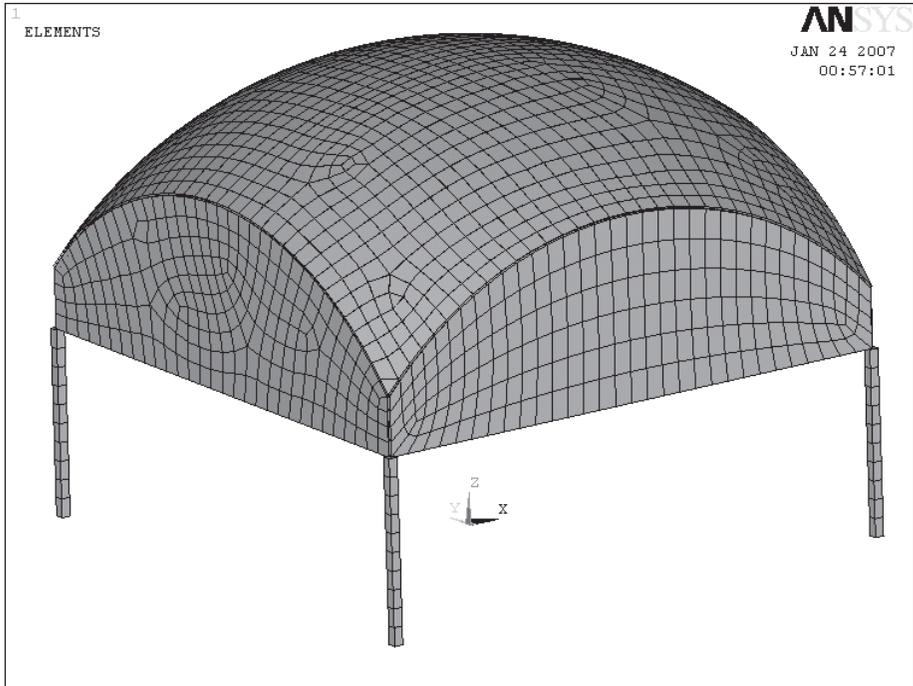


Figure 2.10 Mesh obtained by the command sequence used to generate a dome.