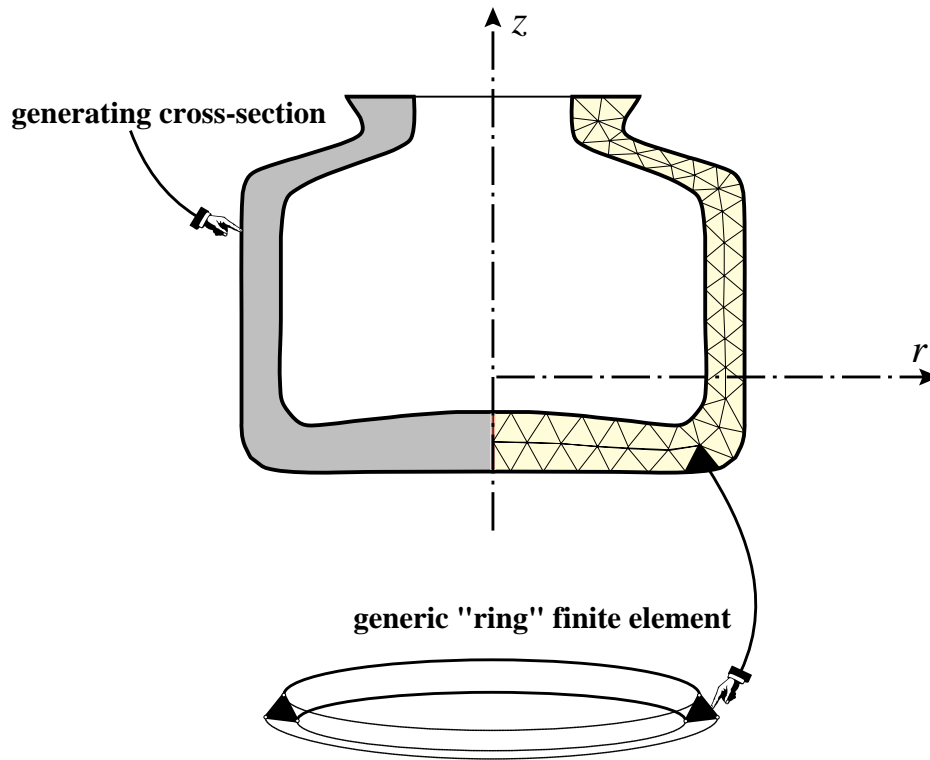


# 11

## Axisymmetric Solid Iso-P Elements

# Axisymmetric Solid Elements are Ring Elements



## Iso-P Axisymmetric Solid Elements

An iso-P ring element with  $n$  nodes is defined by

$$\begin{bmatrix} 1 \\ r \\ z \\ u_r \\ u_z \end{bmatrix} = \begin{bmatrix} 1 & 1 & \cdots & 1 \\ r_1 & r_2 & \cdots & r_n \\ z_1 & z_2 & \cdots & z_n \\ u_{r1} & u_{r2} & \cdots & u_{rn} \\ u_{z1} & u_{z2} & \cdots & u_{zn} \end{bmatrix} \begin{bmatrix} N_1^e \\ N_2^e \\ \vdots \\ N_n^e \end{bmatrix} .$$

**Remaining Slides Still in Preparation**