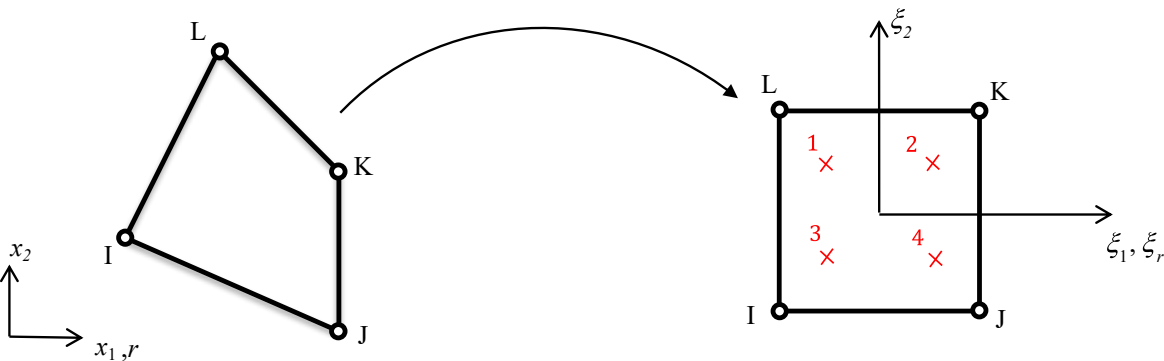


PLANE 182 - QUADRILÁTERO LINEAR (4 NÓS, 4 PONTOS DE GAUSS (Q4))



$$\underline{N} = \frac{1}{4} \begin{Bmatrix} (1-\xi_1)(1-\xi_2) \\ (1-\xi_1)(1+\xi_2) \\ (1+\xi_1)(1+\xi_2) \\ (1+\xi_1)(1-\xi_2) \end{Bmatrix}$$

$$\underline{W} = \begin{Bmatrix} 1 \\ 1 \\ 1 \\ 1 \end{Bmatrix}$$

$$[\xi_{i_p}] = \sqrt{\frac{1}{3}} \begin{bmatrix} -1 & 1 \\ 1 & -1 \\ -1 & -1 \\ 1 & 1 \end{bmatrix}$$