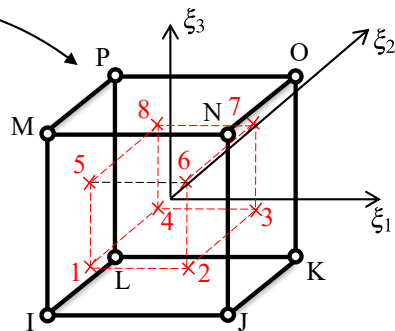
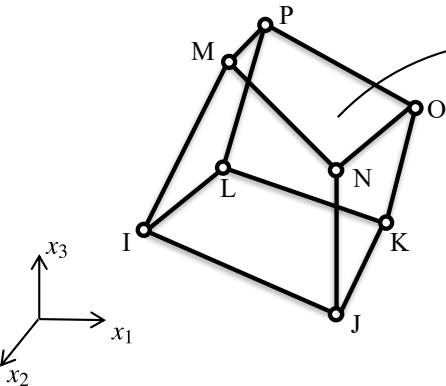


SOLID185 - HEXAEDRO TRILINEAR, 8 NÓS, 8 PONTOS DE GAUSS



$$\underline{N} = \frac{1}{8} \begin{Bmatrix} (1-\xi_1)(1-\xi_2)(1-\xi_3) \\ (1+\xi_1)(1-\xi_2)(1-\xi_3) \\ (1+\xi_1)(1+\xi_2)(1-\xi_3) \\ (1-\xi_1)(1+\xi_2)(1-\xi_3) \\ (1-\xi_1)(1-\xi_2)(1+\xi_3) \\ (1+\xi_1)(1-\xi_2)(1+\xi_3) \\ (1+\xi_1)(1+\xi_2)(1+\xi_3) \\ (1-\xi_1)(1+\xi_2)(1+\xi_3) \end{Bmatrix}$$

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

$$[\underline{\xi}_1, \underline{\xi}_2, \underline{\xi}_3] = \sqrt{\frac{1}{3}} \begin{Bmatrix} -1 & -1 & -1 \\ 1 & -1 & -1 \\ 1 & 1 & -1 \\ -1 & 1 & -1 \\ -1 & -1 & 1 \\ 1 & -1 & 1 \\ 1 & 1 & 1 \\ -1 & 1 & 1 \end{Bmatrix}$$