

- **Epsilon for static solutions**

- EPSILON > 10^{-9} may indicate problems

$$\varepsilon = \frac{\{\mathbf{u}\}^T \{\delta \mathbf{P}\}}{\{\mathbf{P}\}^T \{\mathbf{u}\}}$$

where

$$\{\delta \mathbf{P}\} = \{\mathbf{P}\} - [\mathbf{K}]\{\mathbf{u}\}$$

PARAM, IRES,1 will print the entire residual load vector