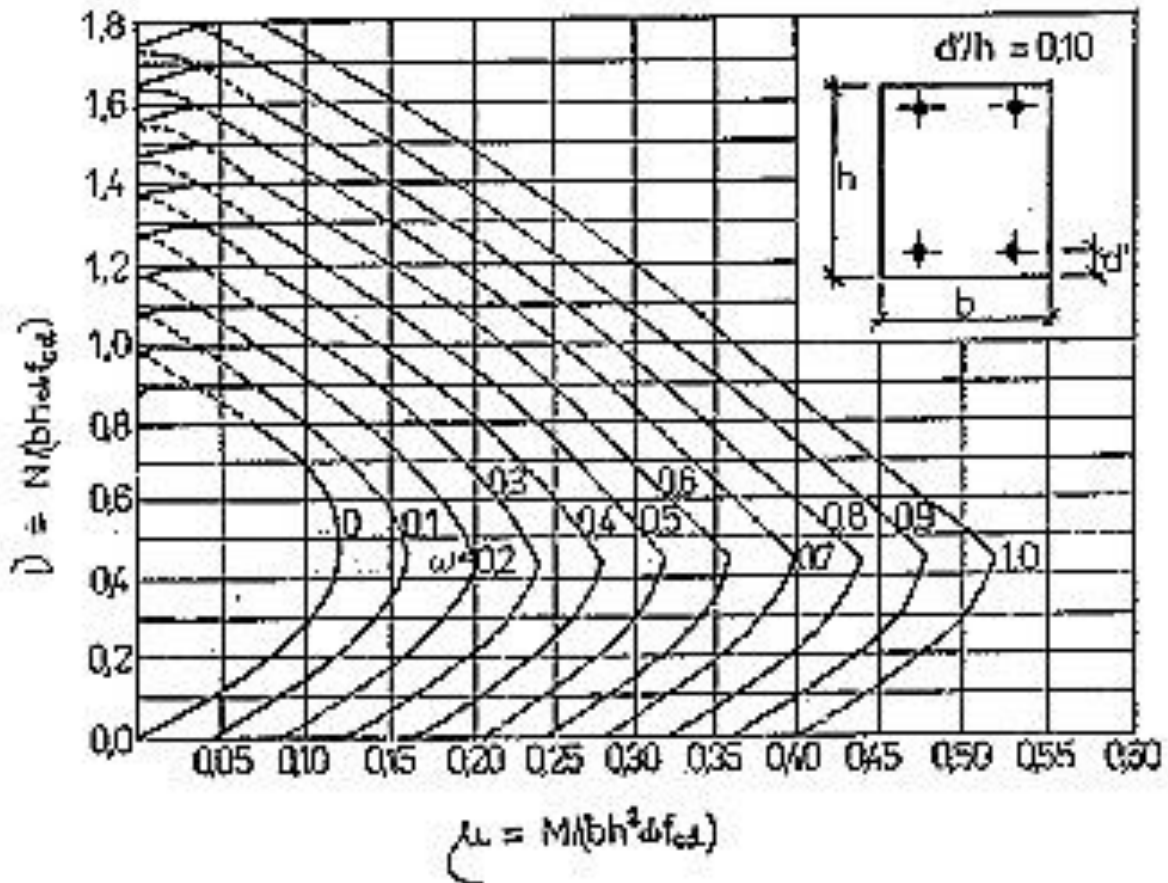# Design of symmetrically reinforced cross-section subjected to moment and normal force

$$\nu = \frac{N_{Ed}}{bhf_{cd}} \qquad \mu = \frac{M_{Ed}}{bh^2 f_{cd}} \qquad \rightarrow \qquad \omega \text{ from the chart}$$

$$\omega = \frac{\sum A_S \cdot f_{yd}}{bhf_{cd}} \qquad \rightarrow \qquad A_{s1} = A_{s2} = \frac{1}{2}\frac{\omega \cdot bh \cdot f_{cd}}{f_{yd}}$$