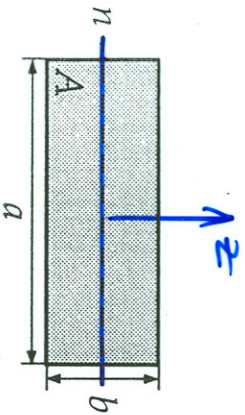


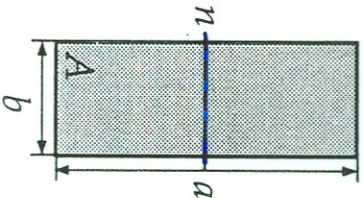
optimale Form
für Knochen!

Flächenträgheitsmoment I_z

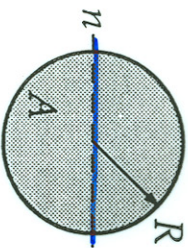


$$I_z = \frac{1}{12} ab^3$$

<

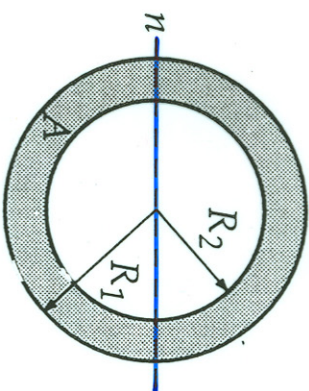


$$I_z = \frac{1}{12} ba^3$$



$$I_z = \frac{\pi}{4} R^4$$

<



$$I_z = \frac{\pi}{4} (R_1^4 - R_2^4)$$

gleiche Querschnittsfläche!

Biegung:

I_z gross \Rightarrow σ_{max} klein