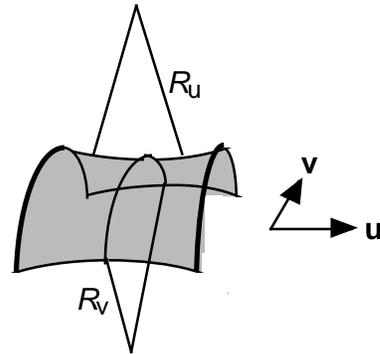
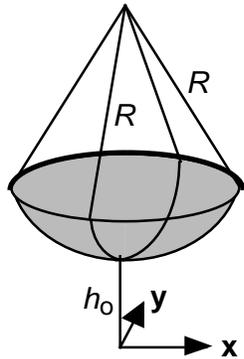




BENDING RESISTANCE

ALVAR & AINO AALTO,
1930

CURVATURE OF SURFACES



BENDING ENERGY

$$= \kappa_{\text{BEND}}/2 (C_1 + C_2)^2 dA + \kappa_{\text{GAUSS}} C_1 C_2 dA$$

$$C = \text{CURVATURE} = 1 / R$$

SPONTANEOUS CURVATURE

$$\text{BENDING ENERGY} = \kappa_{\text{BEND}}/2 (C_1 + C_2 - C_0)^2 dA$$

$C_0 = \text{SPONTANEOUS CURVATURE}$

