Section 8 8.7) deformation energy E = rck (ho)2 E = TCX 10 KBT x (ho)2 = KBT -> ho = 0,18 mm b) we can find the bending contribution from bending energy density F = (Kb) (C, +C2)2+ KGC,C2 where Cycl - hand hyy & CC2 - h hy hxy and calculate E as  $(C_1 + C_2)^2 dA \times (\frac{K_b}{2}) + K_G \int C_1 C_2 dA$ we have:

(L)

(I)

(II) herry = h, exp (-[x2, y2]/2w2) have + ho x 3 / [exp(-(22+y2)) x(-2x)].  $= \frac{2h}{2\omega^2} \exp\left(\frac{-(2u^2+y^2)}{2\omega^2}\right) + \frac{4h}{4u} \times \exp\left(\frac{-(2u^2+y^2)}{2\omega^2}\right) - h(x^2 + y^2) \exp\left(\frac{-(2u^2+y^2)}{2\omega^2}\right)$ h - h ( y2 1 ) exp(-(22,42)) h = ho x 24 exp (-(212+y2)) h = 3h - ho 2k exp (-(224y2)) hy = 3h = ho y exp (-(224y2)) Jg = 17 + h2 = 1 + h02 (22, y2) exp (-(22, y2))

