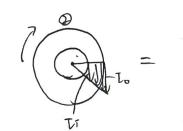
E14082181 蘇品瑄村才期末

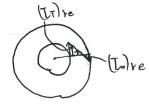
$$S_{c} = 2L = 0.00 | X(3X12)$$

$$S_{c} = \frac{1}{4} L_{AC} = \frac{1}{4} L_{BC} =$$

$$(F_B)_{Re} = F_B - F_B' = 311 - \frac{3}{8} \times 154 = 94.75$$
 (tension)

$$(\delta_c)_{re} = \frac{FL}{AE} = \frac{94.25 \times (8 \times 12)}{2^2 \pi \times \frac{\pi}{2_r}} = 0.024 \text{ m}_{\frac{\pi}{4}}$$





$$\begin{cases} G = \frac{\Gamma Y}{\gamma} = \frac{210 \times 10^{b}}{0.003} = 1 \times 10^{10} \text{ Pa} \end{cases}$$

$$J = \frac{\pi}{2} (0.08^4 - 0.06^4) = 4.4 \times 10^{-5} \, \text{m}^4$$

$$T_0 = \frac{T_{pc}}{J} = \frac{(130.2 \times 10^3) \times 0.08}{4.4 \times 10^{-5}} = 236.1 \text{ MPa}$$

$$ti = \frac{Tp \times 0.0b}{J} = 117.5 MPq$$

$$(T_0)_{re} = T_Y - T_0 = 210 - 236.7 = -26.7 MPa$$

3. L=2m

$$V = V_1 - V_2$$
 $V = V_1 - V_2$
 $V = V_2 - V_1 - V_2$
 $V = V_2 - V_1 - V_2$
 $V = V_1 - V_2$