

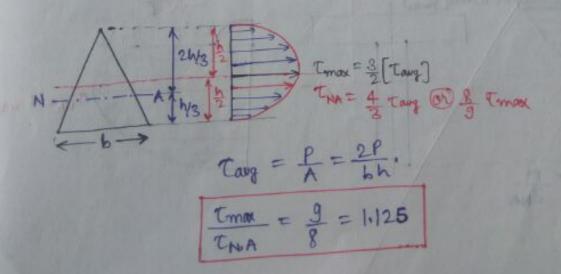
7- For every X-s/c, or variation Consists of two similar As.

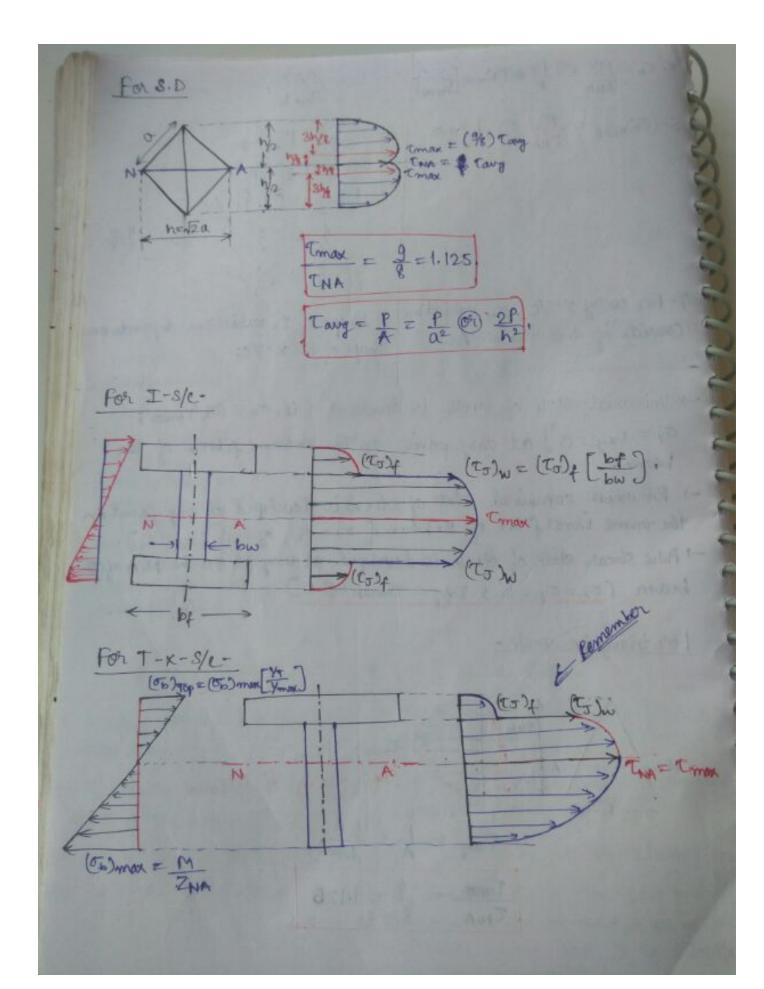
7-Shape of to variations depends on Shape of the X-5/C:

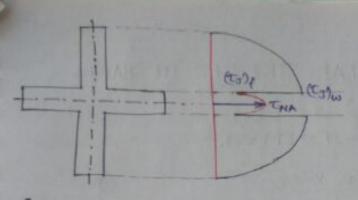
Ilmi-axial state of stress is developed (ie. on = (06) max;
or = txy = 0] act any point on the extreme fibres of the beam.

- Bi-axial combined state of strew is developed at any point on the name inner fibre of the beam [$\sigma_x = \sigma_b$, $\sigma_y = 0$, $\tau_{xy} = \tau_0$.
- -> Pure Shear state of stress is developed at any pt. on the N. A of the beam (on = oy = 0; Try = Tmax @ T)

For triangular x-slc-







$$\frac{a^{2}}{4}$$
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Det. (i) TP/Ta=?. (ii) Ta in terms of Shear force CP).

$$\frac{T_{P}}{T_{Q}} = \frac{A_{2}\overline{Y_{2}}}{A_{1}\overline{Y_{1}}} = \frac{a(9/2)(9/4)}{a(9/4)(89/8)} = \frac{(1/8)}{(3/32)} = \frac{4}{3}$$

$$T_{Q} = \frac{3}{4} \left(T_{P} \otimes T_{max} \right)$$

$$= \left(\frac{3}{4} \right) \left(\frac{3}{2} T_{avg} \right)$$

$$T_a = \left(\frac{g}{8}\right) \left(\frac{\rho}{a^2}\right)$$