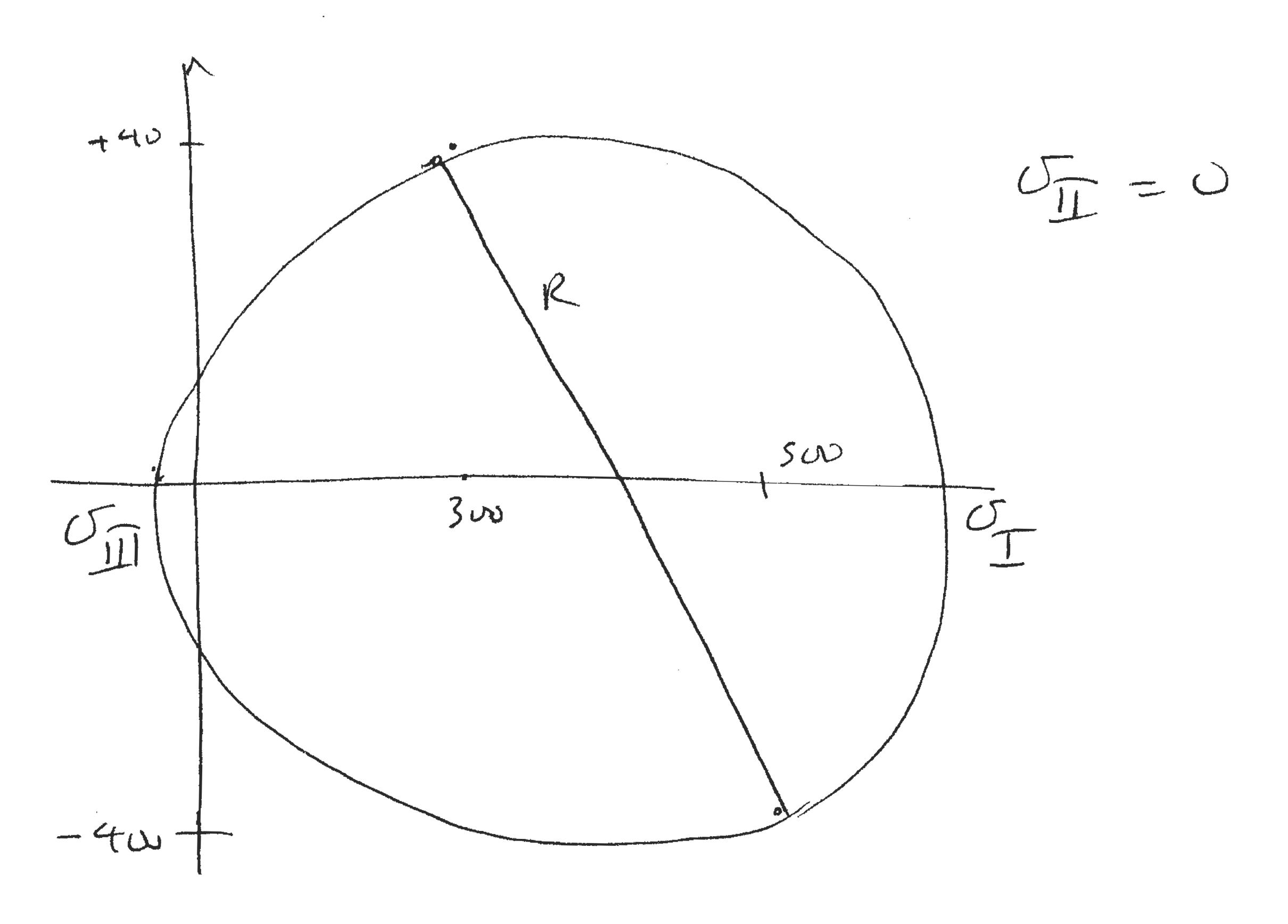
$$R = \frac{(-1250 - 500)}{2} + (200)^{2} = 425.$$

Von Moses

$$(3w - 0)^{2} + (0 + 550)^{2} + (550 - 300)^{2} = \frac{2 \times (500 \times 10^{6})^{2} + (500 \times 10^{6})^{2} + (500 \times 10^{6})^{2}}{(10^{3})^{2} \times (15^{3})^{2}}$$

$$C = \sqrt{\frac{1115 \times 10^{3} \times (10^{3})^{2} \times (1.5)^{2}}{2 \times (500 \times 10^{6})^{2}}} = 2.24 \text{ mm} \in$$



$$C = \frac{4w}{(5w-4w)^2 + 4w^2} = 412.3$$

$$\dot{U}_{1} - 400 + 412.3 = \frac{812.3}{-}$$

$$\sigma_{\text{T}} = 400 - 412.3 = -12.3$$

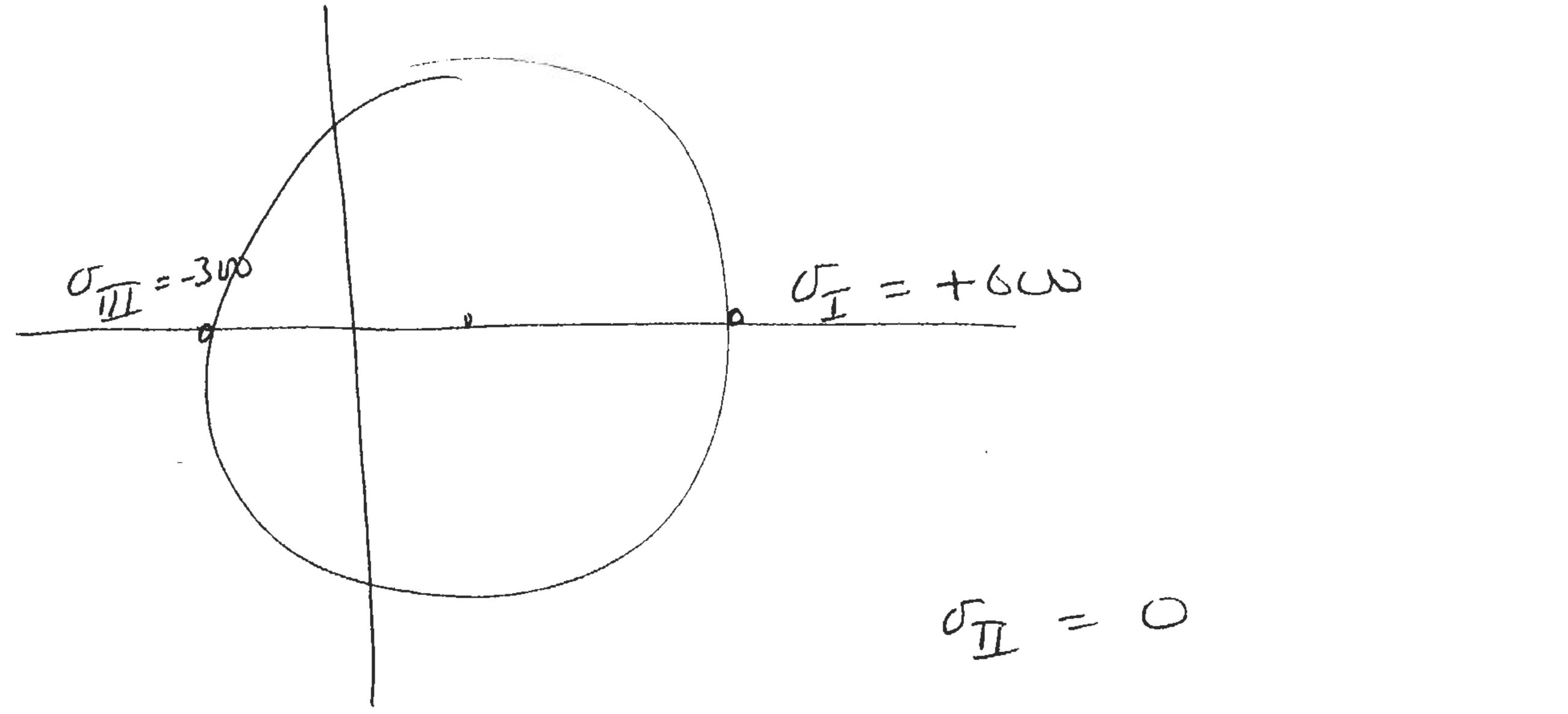
Van Mises $(812-0)^2+(0+12.3)^2+(812+12.3)^2=2\times500\times10^6$

$$1 - \frac{1.34 \times 10^{6} \times (10^{3})^{2} \times (1.5)^{2}}{2 \times (500 \times 10^{6})^{2}} = 2.45 \times 10^{3} = 2.$$



. .

. .



Vn mies $(600)^2 + (-300)^2 + (600+300)^2 = \frac{2 \times (500 \times 10^6)^2 + (10^3)^2 \times (10^5)^2}{(10^3)^2 \times (10^5)^2}$

$$1 - \frac{1.26 \times 10^6 \times (10^3)^2 \times (1.5)^2}{2 \times (500 \times 10^6)^2} = 2.38 \text{ mm}.$$

chose Mickest requied size 2.45 mm =