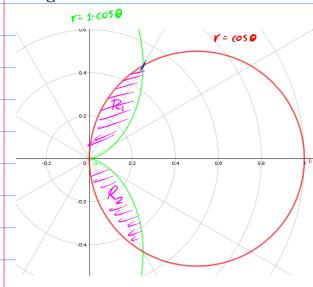
Pregunta 2



R= R1+R2 son Ragiones iguales

colculormes el valor del argulo de interracción

$$\frac{1}{2} = \cos \theta \Rightarrow \theta = 60^{\circ} = \frac{11}{3} \text{ rad.}$$

$$A = \lambda \cdot \frac{1}{2} \left[(1 - \cos \theta)^2 d\theta + (\cos^2 \theta) d\theta \right] = \frac{1 + \cos(2\theta)}{2}$$

$$A = \int_{3}^{\frac{\pi}{3}} (1 - l\cos\theta + \cos^{2}\theta) d\theta + \int_{\frac{\pi}{3}}^{\frac{\pi}{3}} \frac{1 + \cos(2\theta)}{2} d\theta$$

$$A = \theta \begin{vmatrix} \frac{1}{3} - 2 \cdot \operatorname{sen}\theta \end{vmatrix}^{\frac{1}{3}} + \left(\frac{\frac{1}{3}}{1 + \cos(2\theta)} d\theta + \frac{\theta}{2} \right)^{\frac{1}{2}} + \frac{1}{2} \left(\cos(2\theta) d\theta \right)^{\frac{1}{3}}$$

$$A = \frac{1}{3} - \sqrt{3} + 0.74 + \frac{11}{6} + \frac{11}{12} + \left(\frac{-13}{8}\right) = \frac{0.1005 \text{ al}^2}{12} \parallel$$