

Law of cosines

 $\int_{\alpha}^{c} \int_{\alpha}^{d} a^{2} = b^{2} + c^{2} - 2bc(\cos \alpha)$

$$\Gamma_{1}^{2} = (\chi_{3}^{3})^{2} + (\chi_{3}^{3})^{2}$$
Now we know all 3 sides of

of Δ_{1} we can use law of cosines

$$\Phi_{1} = \Phi_{2} - \Phi_{1}$$

$$\Phi_{2} = + an^{-1}(\frac{\chi_{3}^{9}}{\chi_{3}^{2}})$$

$$\Phi_{3} = a_{2}^{2} + r_{1}^{2} - 2a_{3}r_{1}\cos\Phi_{1}$$

$$\cos\Phi_{1} = a_{2}^{2} + r_{1}^{2} - 2a_{3}r_{1}\cos\Phi_{1}$$

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$$\frac{2a_{2}r_{1}}{\sqrt{9}} = \frac{2a_{2}r_{1}}{\sqrt{2000}} = \frac{2a_{2}r_{1}}{\sqrt{2000}} = \frac{2a_{2}r_{1}}{\sqrt{2000}}$$

$$C_1^2 = \alpha_2^2 + \alpha_4^2 - 2\alpha_2 \alpha_4 \cos \theta_3$$

$$\sqrt{3} = \cos^2 \left(\frac{r_1^2 - \alpha_2^2 - \alpha_4^2}{-2\alpha_2 \alpha_4}\right)$$