$$\begin{cases} 2R_M \ \cos\left(\dfrac{\alpha_1-\alpha_2}{2}\right)\sin\left(\theta+\dfrac{\alpha_1+\alpha_2}{2}\right)+R_1\sin(\alpha_1)+R_2\sin(\alpha_2)-l & =0 \\ 2R_M \ \sin\left(\dfrac{\alpha_1-\alpha_2}{2}\right)\sin\left(\theta+\dfrac{\alpha_1+\alpha_2}{2}\right)+R_1\cos(\alpha_1)-R_2\cos(\alpha_2) & =0 \end{cases}$$