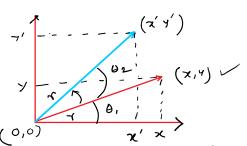
## Rotation Matrices Part 2

Friday, May 26, 2023 6:00 PM



$$R_{0}\begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} x' \\ y' \end{pmatrix}$$

$$x + k_{0} + k$$

$$x' = Y(\cos(\theta_1 + \theta_2))$$

$$= Y(\cos\theta_1 \cos\theta_2)$$

$$- \sin(\theta_1 + \theta_2)$$

$$= Y(\sin(\theta_1 + \theta_2))$$

$$- \sin(\theta_1 \sin\theta_2)$$

$$= X(\cos(\theta_1 + \theta_2))$$

$$= Y(\cos(\theta_1 +$$

$$R_{A} = \frac{0 + \text{tho gond}}{x}$$

$$(\cos \theta_{2} - \sin \theta_{2}) \left(\frac{x}{y}\right) = \left(\frac{x \cos \theta_{2} - y \sin \theta_{2}}{x \sin \theta_{2}} + y \cos \theta_{2}\right)$$

$$R_{A} = \frac{0 + \text{tho gond}}{x}$$