$$R_{ca} = R_{xA} (30^{\circ}) R_{yA} (-90^{\circ})$$

$$= \begin{bmatrix} 0 & 0 & 0 \\ 0 & 2 & \frac{1}{2} \end{bmatrix} \begin{bmatrix} 0 & 0 & -1 \\ 0 & 1 & 0 \\ 0 & \frac{1}{2} \end{bmatrix} \begin{bmatrix} 0 & 0 & -1 \\ 0 & 1 & 0 \\ 0 & \frac{1}{2} \end{bmatrix}$$

$$= \begin{bmatrix} 0 & 0 & -1 \\ \frac{1}{2} & \frac{1}{2} & 0 \\ \frac{1}{2} & \frac{1}{2} & 0 \end{bmatrix}$$

D

8.
$$g = e^{i\theta} = \left[e^{i\theta} - (1 - e^{i\theta}) \hat{\omega}v + \omega \omega^{-1} \theta \right]$$

FI) Rodrigues With An LYG= 1-cost)

$$e^{i \hat{\omega} \theta} = I + i \hat{\omega} \sin \theta + i \hat{\omega}^{2} (1 - \cos \theta)$$

$$= \int_{\omega_{1}}^{\omega_{2}} v_{0} + (\omega + \omega_{2}) v_{0} - \omega_{3} S_{p} \quad \omega_{1} w_{3} v_{0} + \omega_{2} S_{0}$$

$$= \int_{\omega_{1}}^{\omega_{2}} v_{0} + (\omega + \omega_{2}) v_{0} + (\omega + \omega_{2}) v_{0} + (\omega + \omega_{3}) v_{0} + (\omega +$$

$$\frac{1}{2} \cos \theta = -\frac{1}{2} = \frac{1}{2} \cos \theta = \frac{3}{3}$$

$$= \frac{1}{2} \frac{$$

$$\sum_{i=1}^{\infty} e^{i\theta} \sin \theta + \omega \omega^{\dagger} v \theta = [10, 20, 1]^{\dagger}$$

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