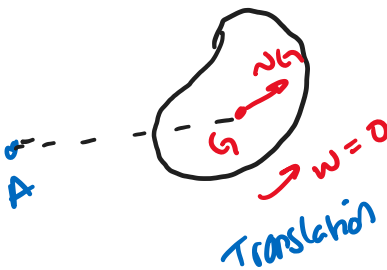
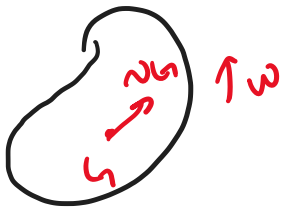
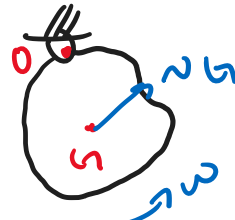
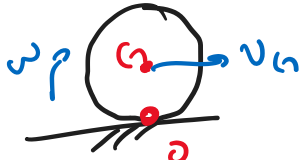


Summary of AIM for RBs

$$\vec{H}_{A1} + \int_{t1}^{t2} \vec{E} \vec{M}_A = \vec{H}_{A2}$$

$$\vec{H}_A = \vec{H}_G + m \vec{r}_{G/A} \times \vec{v}_G$$

Point A	Situation	Angular Momentum
A		$\vec{H}_A = m \vec{r}_{G/A} \times \vec{v}_G$ $\vec{H}_G = I_G \vec{\omega} = 0$
A = G		$\vec{H}_A = \vec{H}_G = I_G \vec{\omega}$
A = O O is fixed $\vec{v}_O = 0$ on RB	 	$\vec{H}_A: \vec{H}_O = I_O \vec{\omega}$ I_O from PAT $I_O = I_G + m d_{GO}^2$