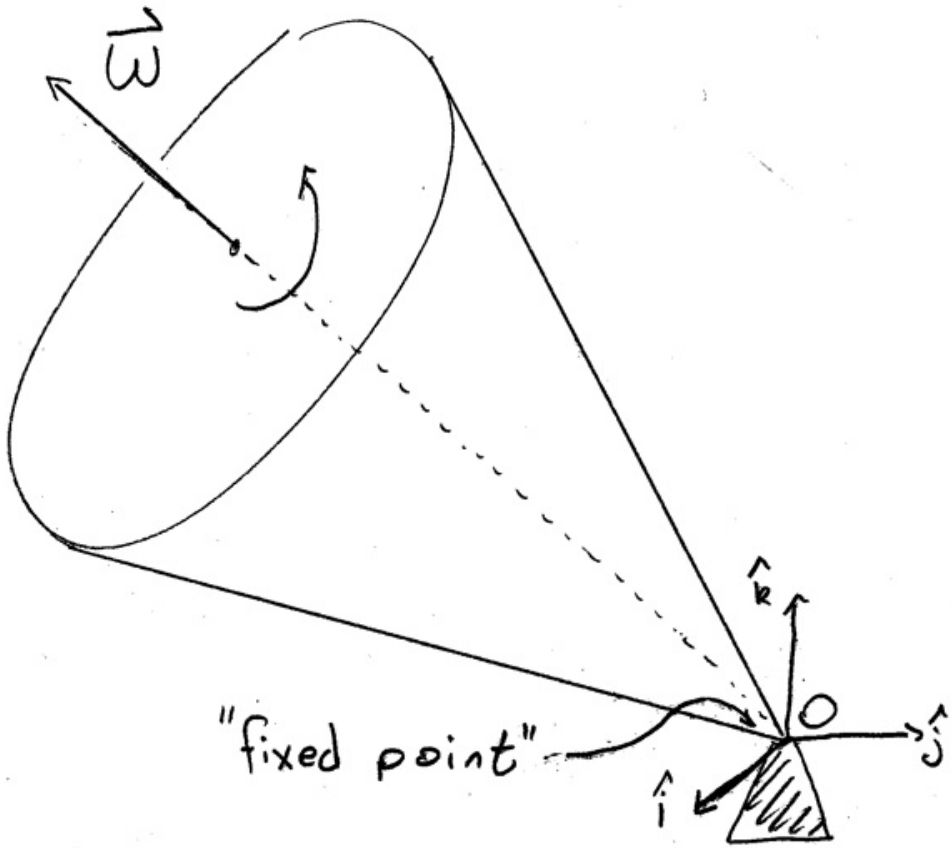
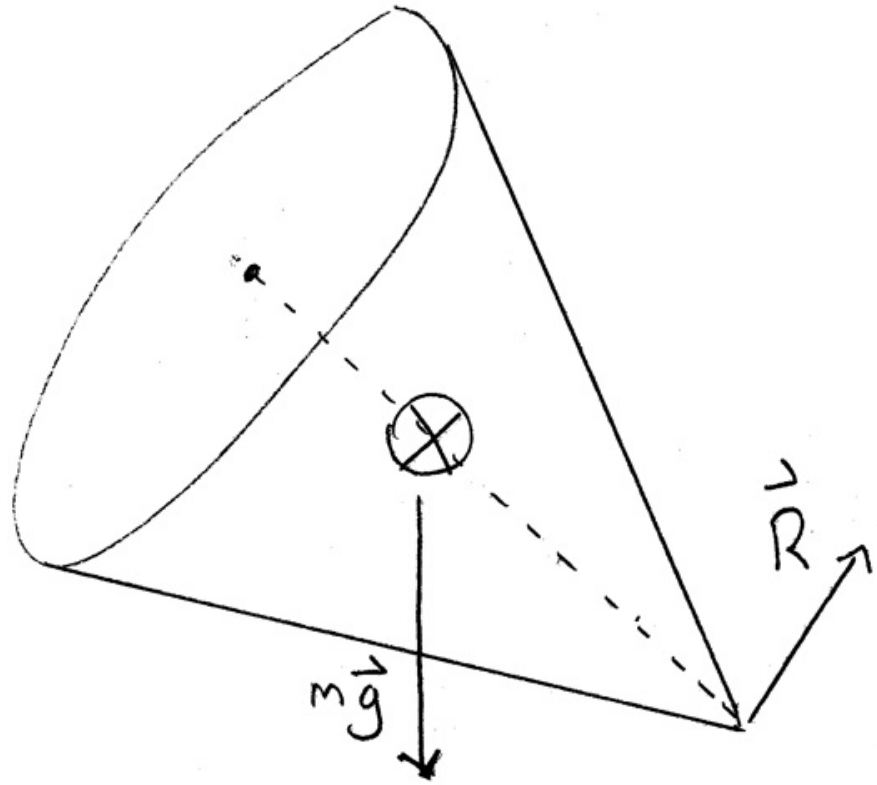

$\vec{\omega}$
$\hat{k}$
O
$\hat{j}$
$\hat{i}$
"fixed point"


$\vec{R}$
$m\vec{g}$