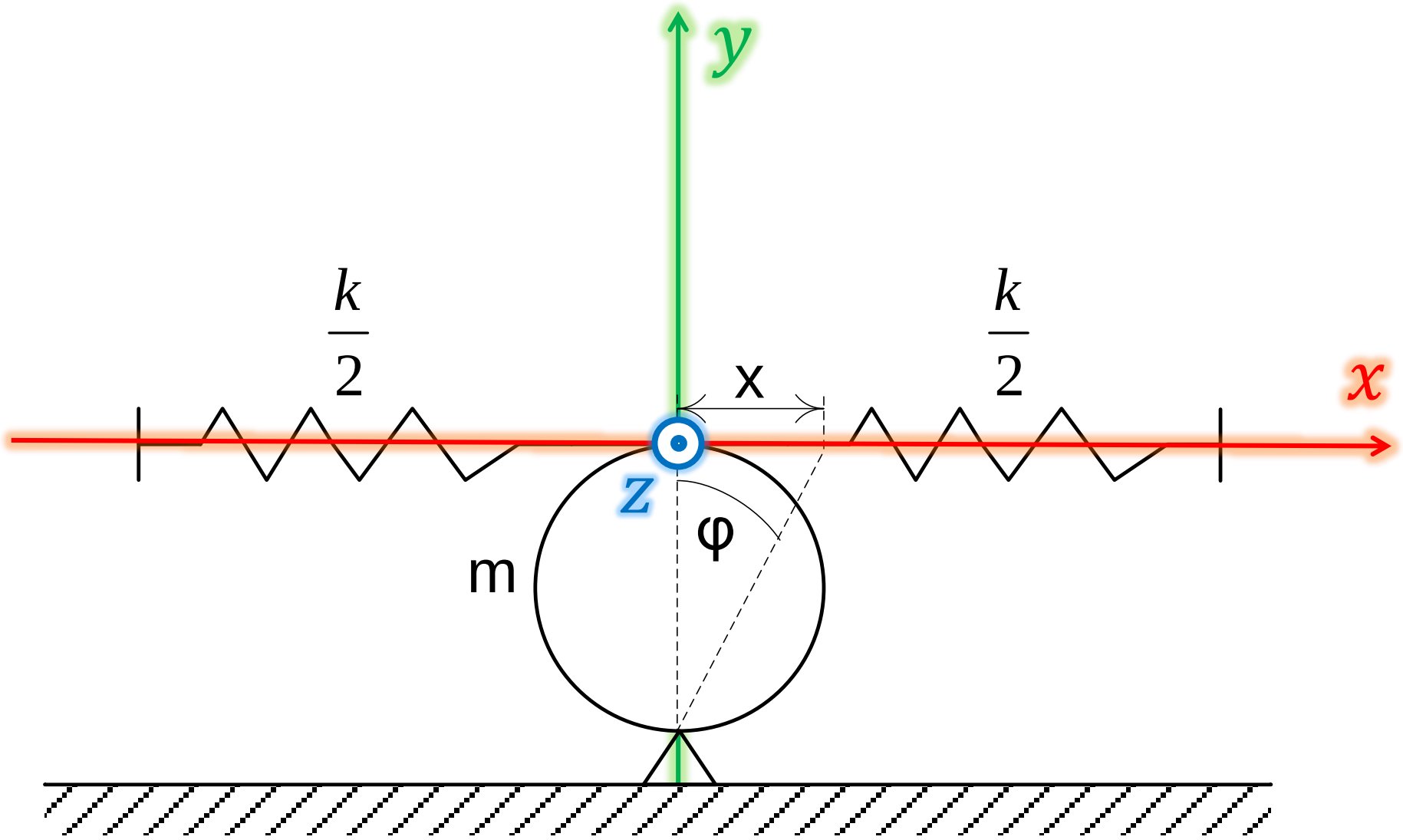
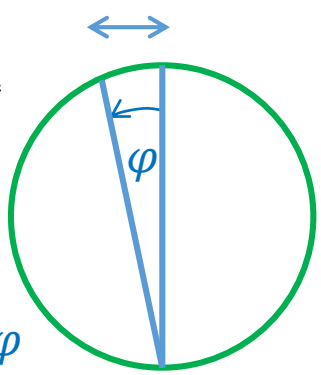
Formiranje jednadžbe gibanja za sustav dan u 17. zadatku:

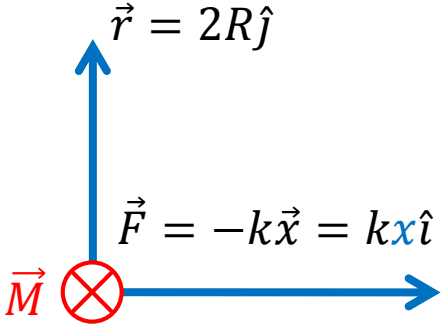


$x = |\vec{x}|$

$\vec{\varphi} = \varphi\hat{z}$



$x = 2R\varphi$



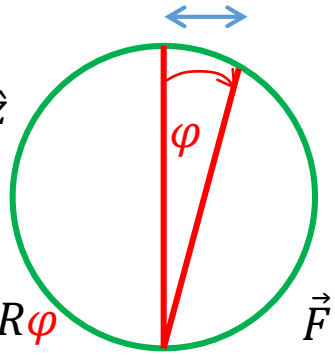
$\vec{M} = \vec{r} \times \vec{F}$

$I\ddot{\varphi}\hat{z} = -2Rkx\hat{z}$

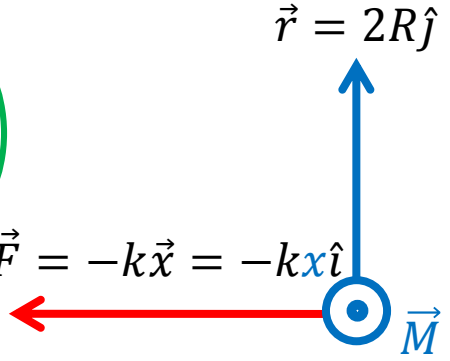
$I\ddot{\varphi}\hat{z} = -4R^2k\varphi\hat{z}$

$x = |\vec{x}|$

$\vec{\varphi} = \varphi\hat{z}$



$x = -2R\varphi$



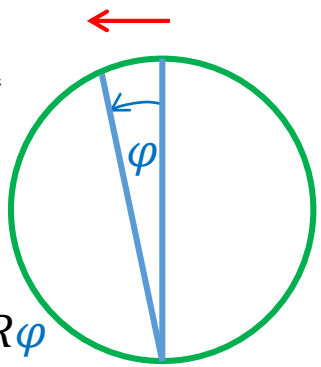
$\vec{M} = \vec{r} \times \vec{F}$

$I\ddot{\varphi}\hat{z} = 2Rkx\hat{z}$

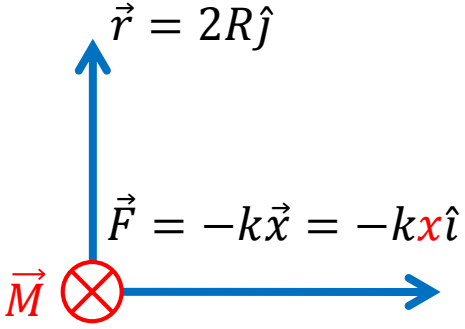
$I\ddot{\varphi}\hat{z} = -4R^2k\varphi\hat{z}$

$\vec{x} = x\hat{\imath}$

$\vec{\varphi} = \varphi\hat{z}$



$x = -2R\varphi$



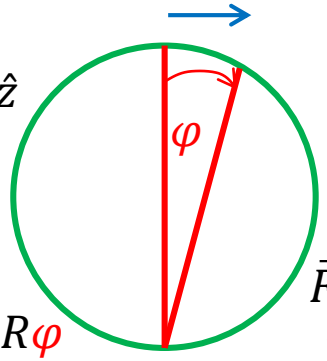
$\vec{M} = \vec{r} \times \vec{F}$

$I\ddot{\varphi}\hat{z} = 2Rkx\hat{z}$

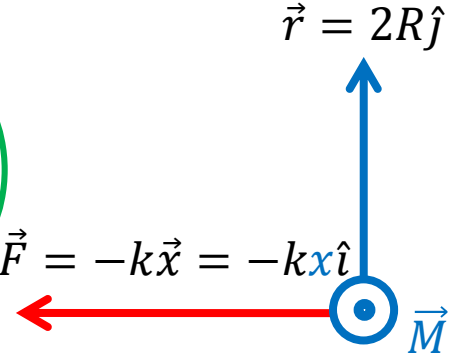
$I\ddot{\varphi}\hat{z} = -4R^2k\varphi\hat{z}$

$\vec{x} = x\hat{\imath}$

$\vec{\varphi} = \varphi\hat{z}$



$x = -2R\varphi$



$\vec{M} = \vec{r} \times \vec{F}$

$I\ddot{\varphi}\hat{z} = 2Rkx\hat{z}$

$I\ddot{\varphi}\hat{z} = -4R^2k\varphi\hat{z}$