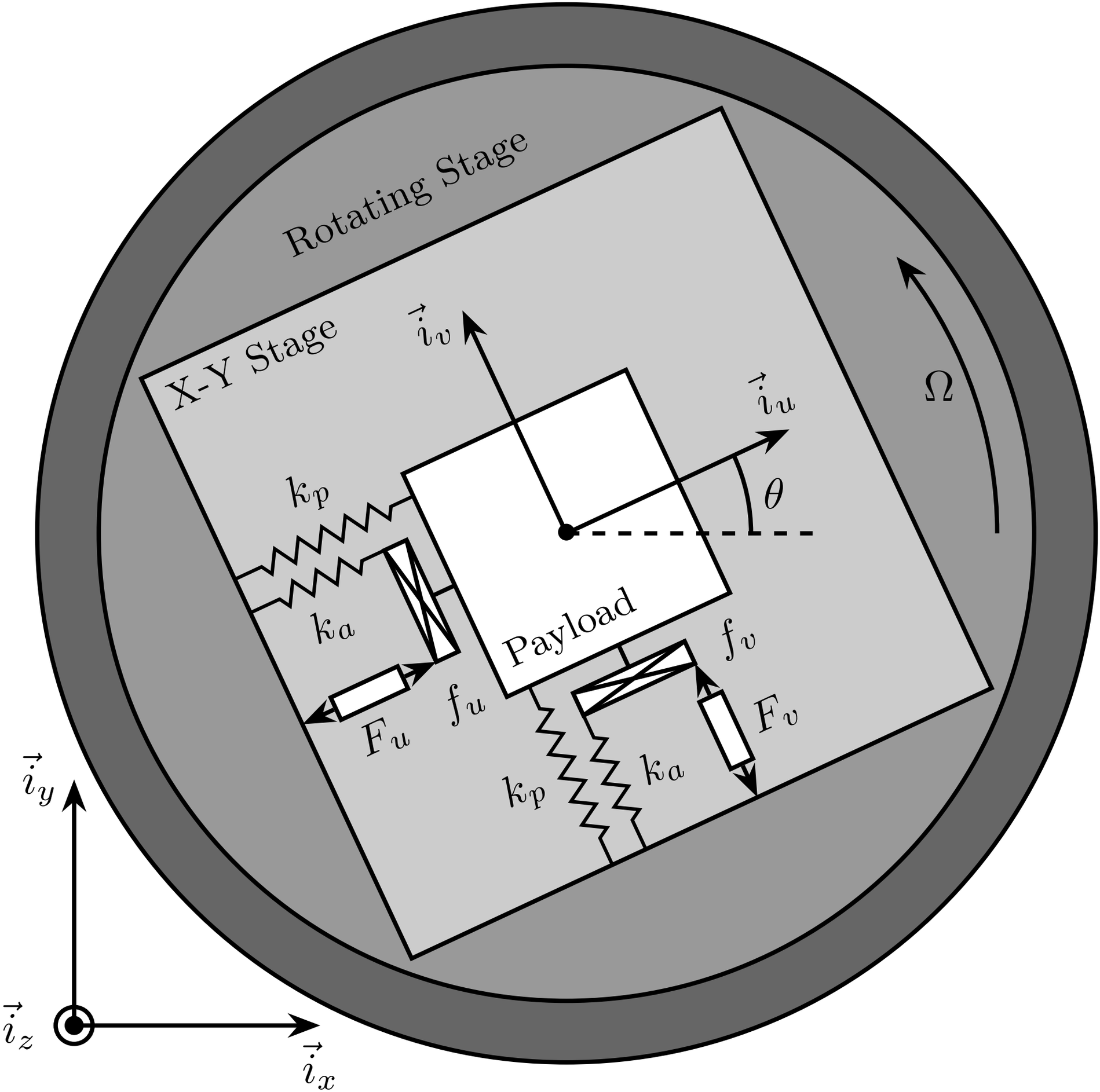
Rotating Stage
X-Y Stage
$\vec{i}_v$
$\vec{i}_u$
Ω
θ
k_p
k_a
Payload
f_v
f_u
F_u
F_v
k_p
k_a
$\vec{i}_y$
$\vec{i}_z$
$\vec{i}_x$