

$\dot{x} \in \mathbb{R}^3$	$\omega \in \mathbb{R}^3$	$\phi \in \mathbb{R}^6$	$b \in \mathbb{R}^4$	$r \in \mathbb{R}$	$\delta^\pi \in \mathbb{R}$
linear	angular	wrench	belief	reward	TD error

