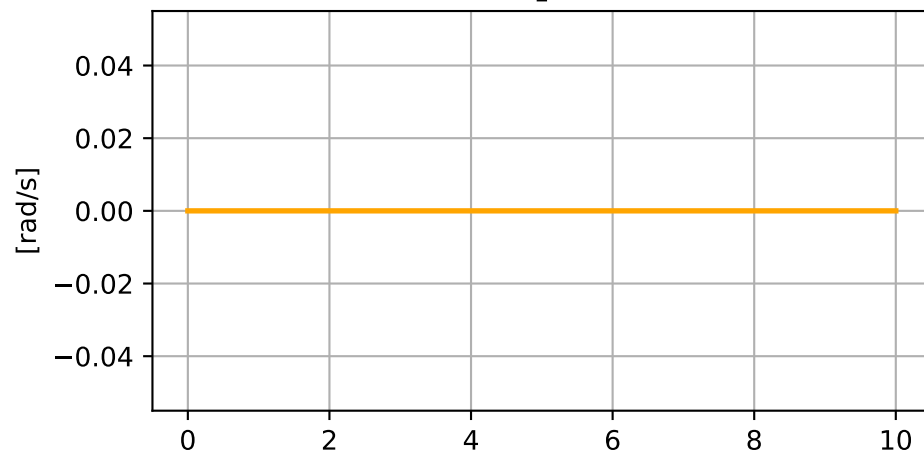
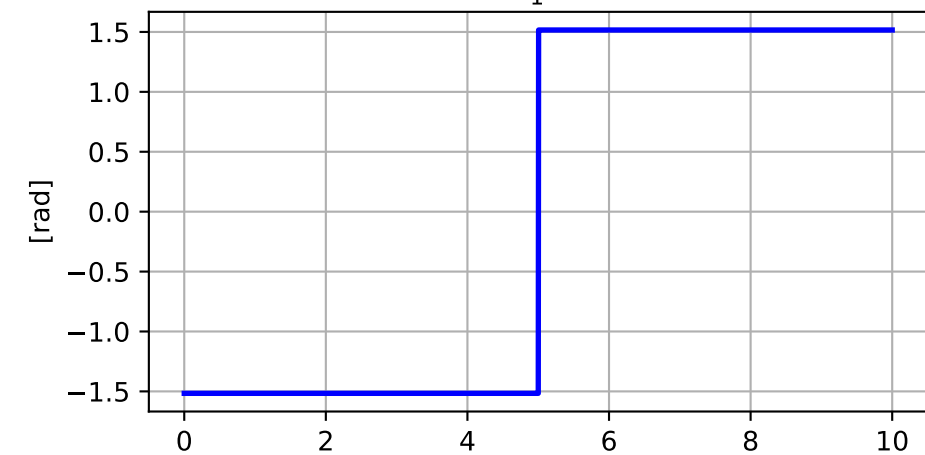
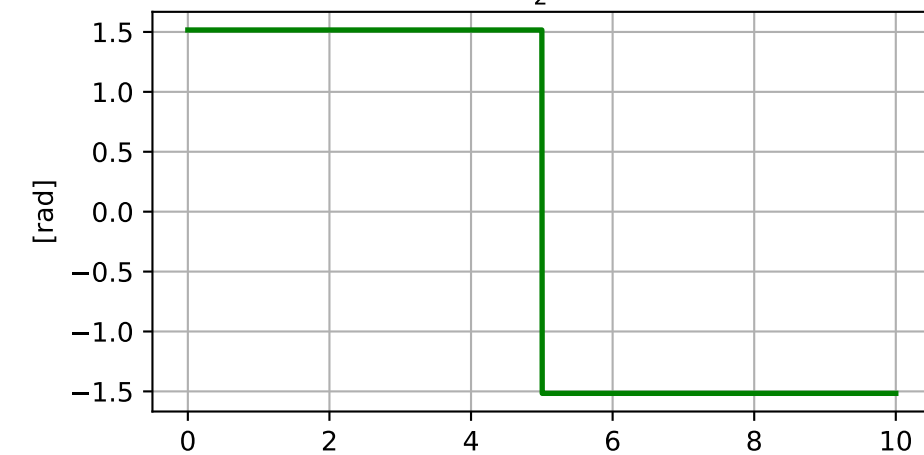


$\dot{\theta}_1^{ref}$  $\dot{\theta}_2^{ref}$  $\theta_1^{ref}$  $\theta_2^{ref}$  $\tau_1^{ref}$ 