Effect of Input u(t) Complexity

Upper plot — $\| \Delta \omega \|$ (rad/sec) vs time (sec):
- $\circ$ $u(t)=[-2\cos(2t) \quad -2\sin(t) \quad 2\cos(t)]$ Ang Vel Err(rad/sec)
- $\times$ $u(t)=[\quad 0 \quad\quad -2\sin(t) \quad\quad 0 \quad]$ Ang Vel Err(rad/sec)

Lower plot — $\| \Delta I \|_F$ (kg meter) vs time (sec):
- $\circ$ $u(t)=[-2\cos(2t) \quad -2\sin(t) \quad 2\cos(t)]$ Inertia Tensor Err(kg meter)
- $\times$ $u(t)=[\quad 0 \quad\quad -2\sin(t) \quad\quad 0 \quad]$ Inertia Tensor Err(kg meter)