

Transfer Functions

u_de =

$$\frac{2.54 s^3 + 386.4 s^2 + 334 s + 136.6}{s^4 + 1.387 s^3 + 5.963 s^2 - 0.2114 s - 0.08247}$$

Continuous-time transfer function.
Model Properties

w_de =

$$\frac{-34.6 s^3 - 5251 s^2 + 2.548 s - 2.827}{s^4 + 1.387 s^3 + 5.963 s^2 - 0.2114 s - 0.08247}$$

Continuous-time transfer function.
Model Properties

q_de =

$$\frac{-6.77 s^3 - 4.257 s^2 - 0.00888 s - 1.748e-20}{s^4 + 1.387 s^3 + 5.963 s^2 - 0.2114 s - 0.08247}$$

Continuous-time transfer function.
Model Properties

theta_de =

$$\frac{-6.77 s^2 - 4.257 s - 0.00888}{s^4 + 1.387 s^3 + 5.963 s^2 - 0.2114 s - 0.08247}$$

Continuous-time transfer function.
Model Properties

u_dth =

$$\frac{0.000842 s^3 + 0.00151 s^2 + 0.00552 s + 0.0001142}{s^4 + 1.387 s^3 + 5.963 s^2 - 0.2114 s - 0.08247}$$

Continuous-time transfer function.
Model Properties

w_dth =

$$\frac{-0.004692 s^2 - 0.002775 s + 1.688e-06}{s^4 + 1.387 s^3 + 5.963 s^2 - 0.2114 s - 0.08247}$$

Continuous-time transfer function.
Model Properties

q_dth =

$$\frac{-6.04e-06 s^3 - 7.587e-06 s^2 - 2.163e-06 s + 1.269e-24}{s^4 + 1.387 s^3 + 5.963 s^2 - 0.2114 s - 0.08247}$$

Continuous-time transfer function.
Model Properties

theta_dth =

$$\frac{-6.04e-06 s^2 - 7.587e-06 s - 2.163e-06}{s^4 + 1.387 s^3 + 5.963 s^2 - 0.2114 s - 0.08247}$$

Continuous-time transfer function.
Model Properties

u_de_lp =

$$\frac{2.54 \text{ s} - 1.438}{s^2 + 2.11\text{e-}06 \text{ s} + 0.001447}$$

Continuous-time transfer function.
Model Properties

u_dth_lp =

$$\frac{0.000842 \text{ s}}{s^2 + 2.11\text{e-}06 \text{ s} + 0.001447}$$

Continuous-time transfer function.
Model Properties

theta_de_lp =

$$\frac{0.04482 \text{ s} + 0.0001146}{s^2 + 2.11\text{e-}06 \text{ s} + 0.001447}$$

Continuous-time transfer function.
Model Properties

theta_dth_lp =

$$\frac{3.796\text{e-}08}{s^2 + 2.11\text{e-}06 \text{ s} + 0.001447}$$

Continuous-time transfer function.
Model Properties

w_de_sp =

$$\frac{-34.6 \text{ s} - 5251}{s^2 + 1.387 \text{ s} + 6.203}$$

Continuous-time transfer function.
Model Properties

w_dth_sp =

$$\frac{-0.004662}{s^2 + 1.387 \text{ s} + 6.203}$$

Continuous-time transfer function.
Model Properties

q_de_sp =

$$\frac{-6.77 \text{ s} - 4.246}{s^2 + 1.387 \text{ s} + 6.203}$$

Continuous-time transfer function.
Model Properties

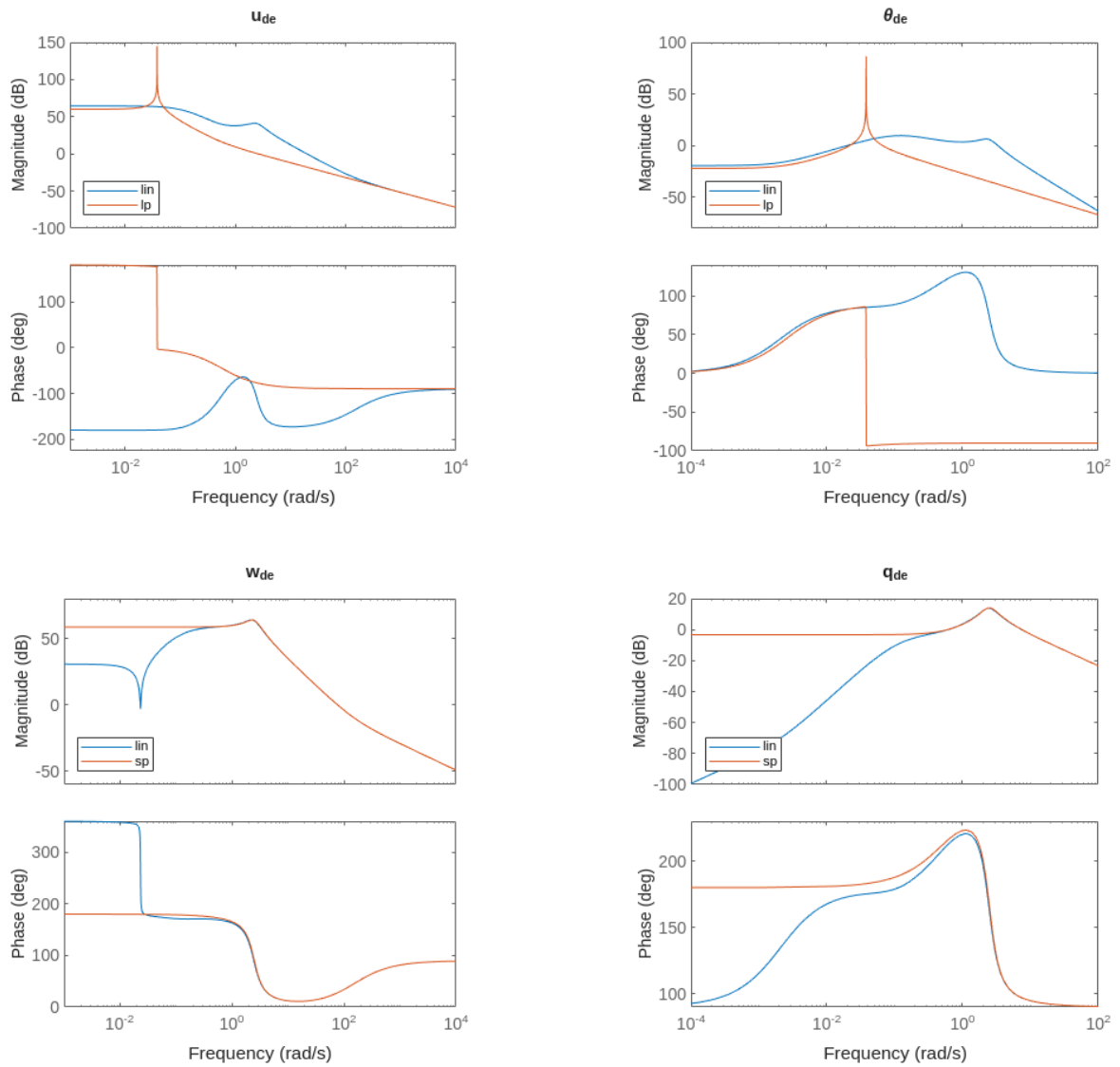
q_dth_sp =

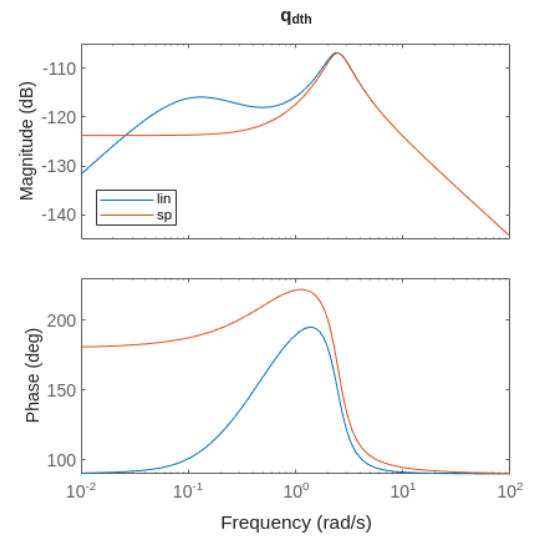
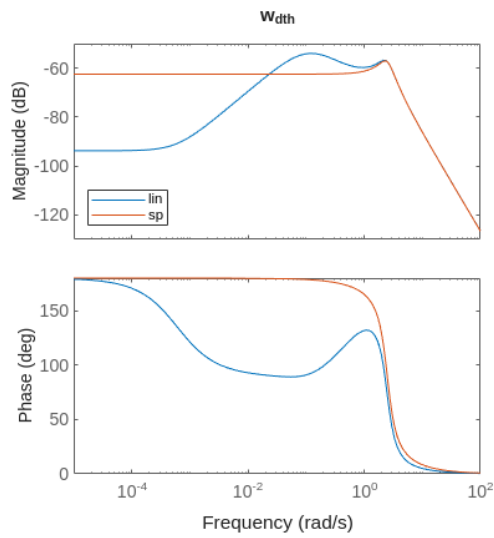
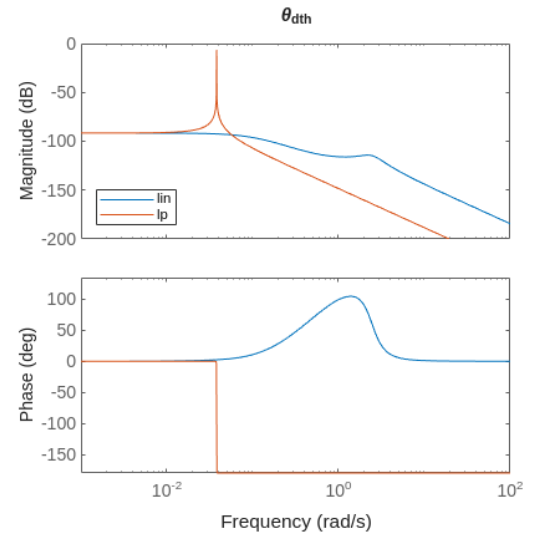
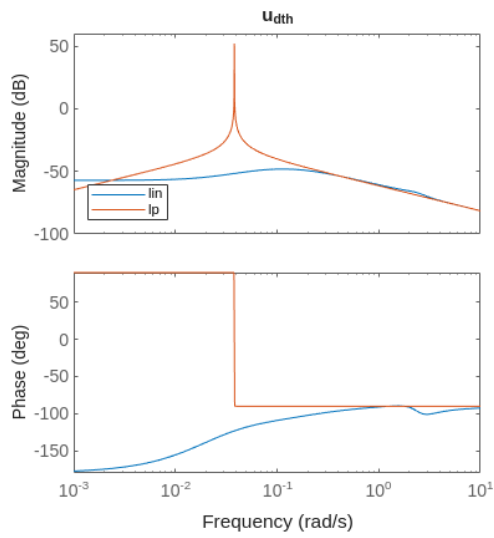
$$\frac{-6.04\text{e-}06 \text{ s} - 4.017\text{e-}06}{s^2 + 1.387 \text{ s} + 6.203}$$

$$s^2 + 1.387 s + 6.203$$

Continuous-time transfer function.
Model Properties

bode Plots





Root Locus Plots

