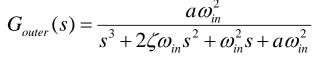
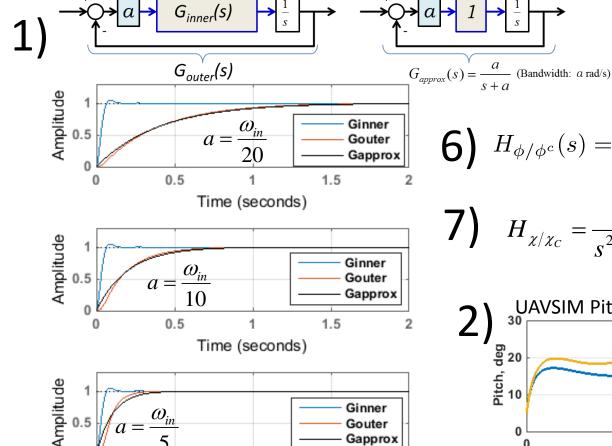
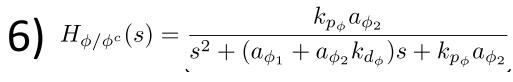
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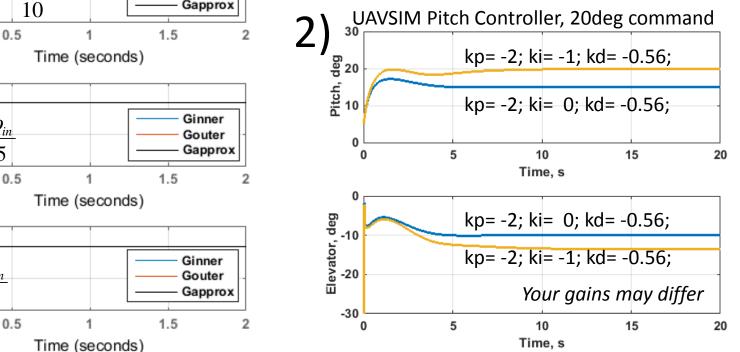


Amplitude

$$= \frac{a}{s \left[\frac{1}{\omega_{in}^2} s^2 + \frac{2\zeta}{\omega_{in}} s + 1\right] + a}$$



7)
$$H_{\chi/\chi_c} = \frac{k_{p,\chi} g/V_g s + k_{i,\chi} g/V_g}{s^2 + k_{p,\chi} g/V_g s + k_{i,\chi} g/V_g}$$



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