Cubli: Dynamic Control of a Reaction Wheel Inverted Pendulum

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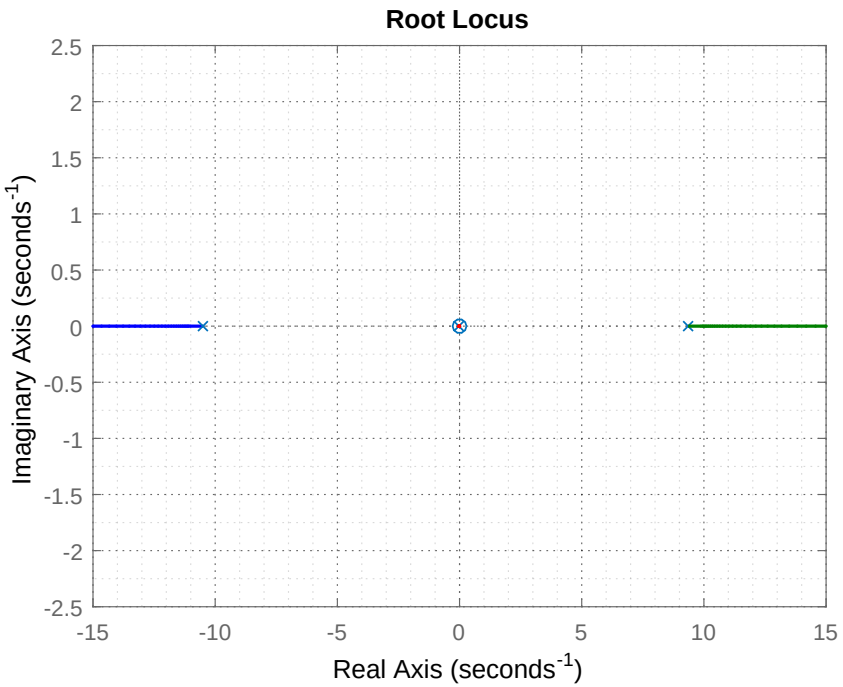
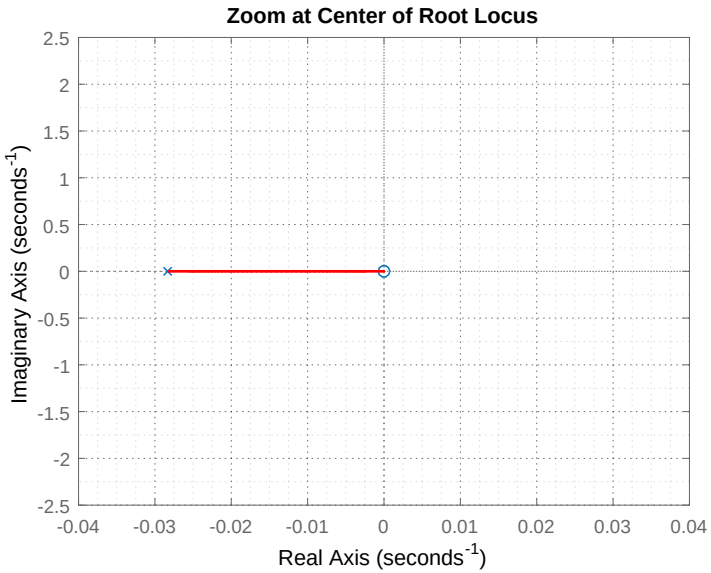
Agenda

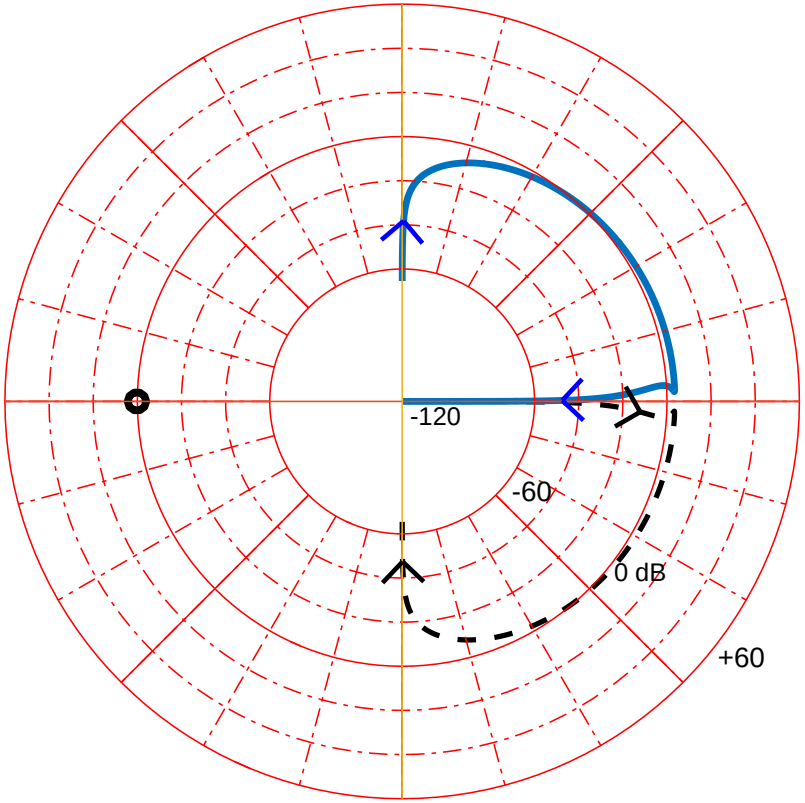
Stability Analysis

Classical Controller Design

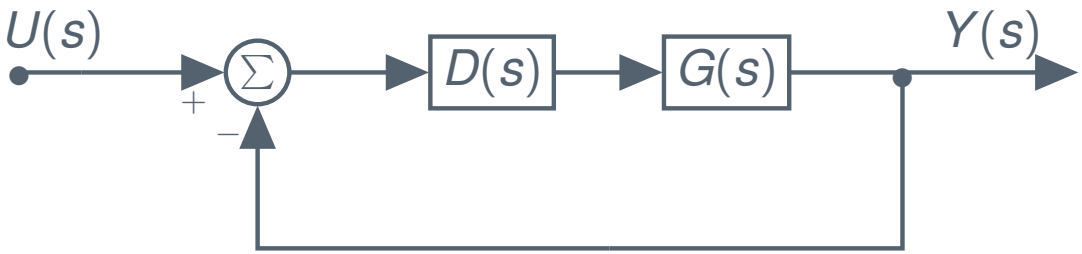




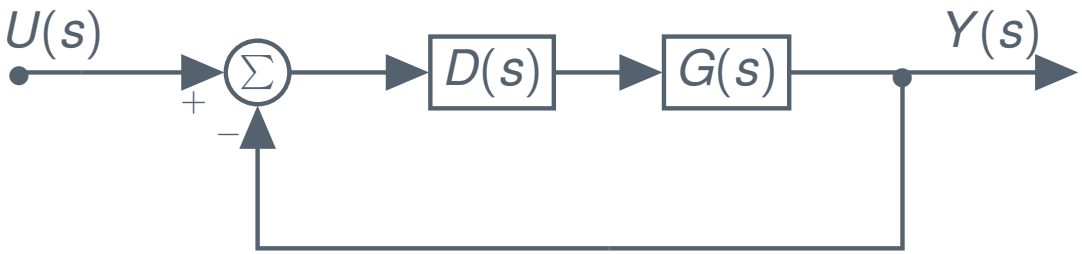
Stability Analysis
Nyquist Plot



Classical Controller Design

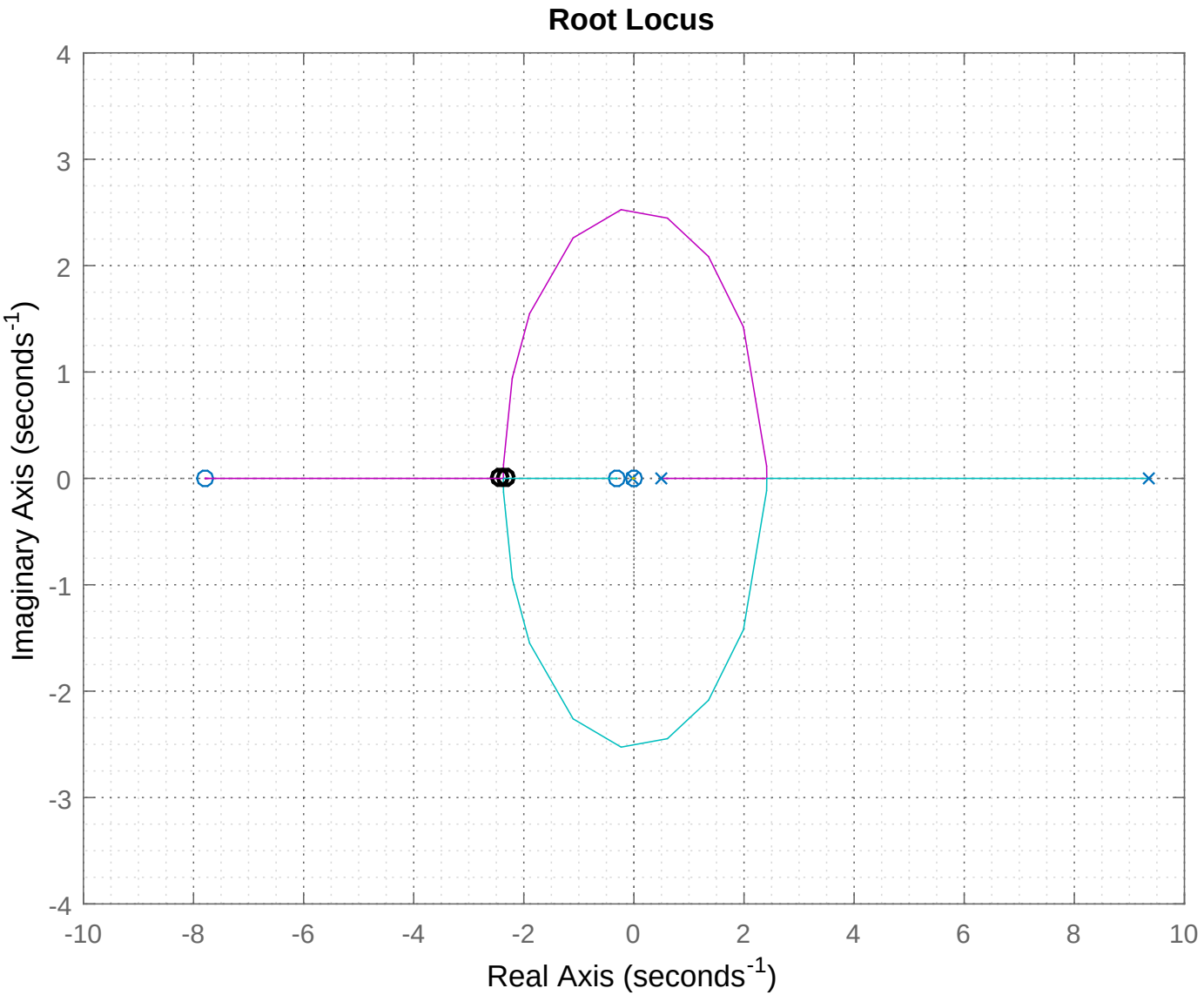


Classical Controller Design

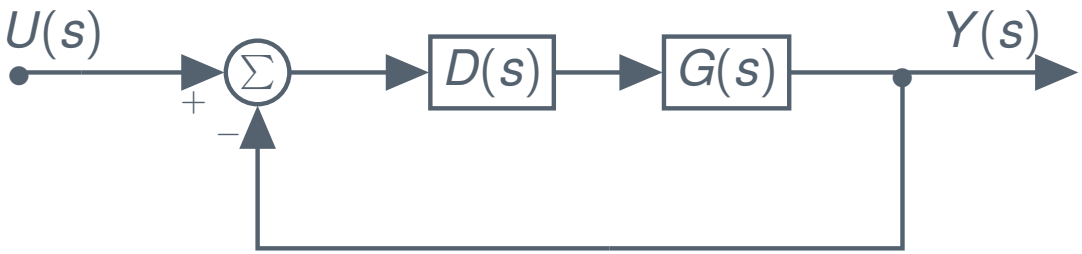


Root Locus Designed Controller

Final Root Locus



Root Locus Designed Controller



Root Locus Designed Controller