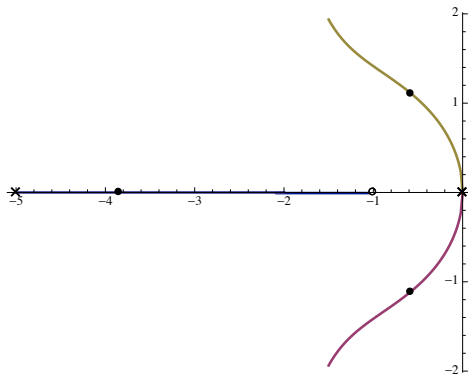


Double Integrator & Lead Compensator

$$L(s) = \frac{s + 1}{s^2(s + p)}$$

Let's try $p = 5$:



— for this value of p , the root locus is different, not nearly as nicely damped as for $p = 10$.