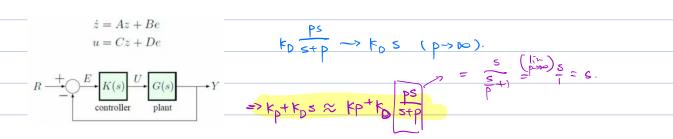
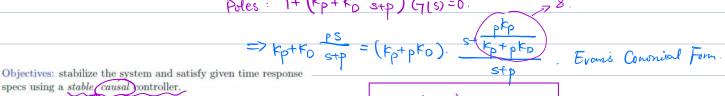


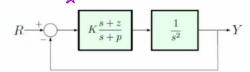
Dynamic Compensation. A PD control lacks causality, thus not physically implementable.

Approx. PD using dynamic compensation.





specs using a stable causal controller.



Characteristic equation:

$$1+K\left\{\frac{s+z}{s+p}\right\}\frac{1}{s^2}=1+KL(s)=0$$

