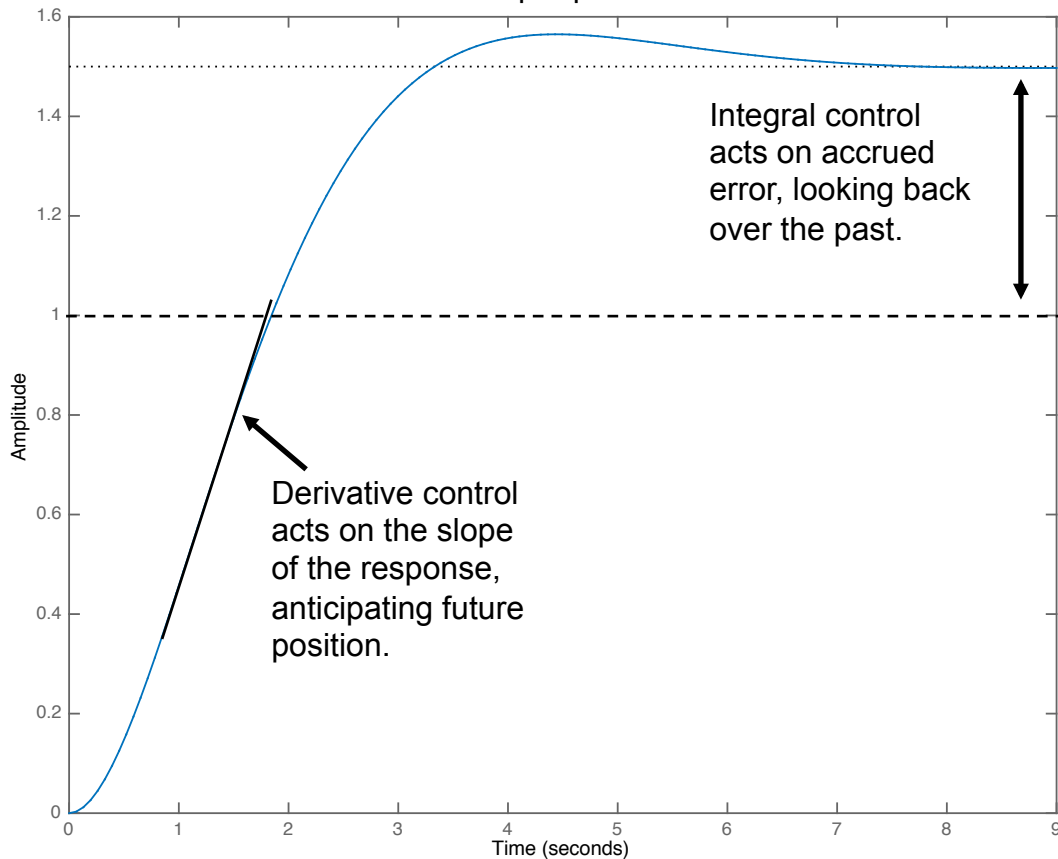


Step Response



Integral control  
acts on accrued  
error, looking back  
over the past.

reference command

Derivative control  
acts on the slope  
of the response,  
anticipating future  
position.

Proportional control  
acts on the current  
distance to the  
reference command