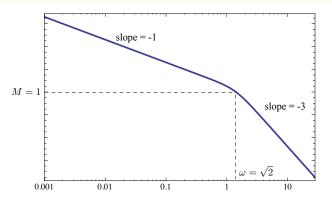
Crossover Frequency and Stability

Definition: The frequency at which M=1 is called the crossover frequency and denoted by ω_c .



Transition from stability to instability on the Bode plot:

for critical
$$K$$
, $\angle G(j\omega_c) = 180^{\circ}$