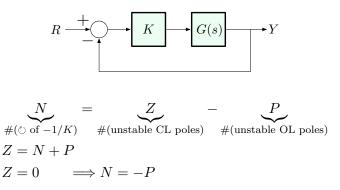
The Nyquist Stability Criterion



Nyquist Stability Criterion. Under the assumptions of the Nyquist theorem, the closed-loop system (at a given gain K) is stable if and only if the Nyquist plot of G(s) encircles the point -1/K P times counterclockwise, where P is the number of unstable (RHP) open-loop poles of G(s).