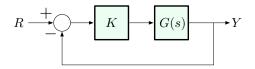
From Argument Principle to Nyquist Criterion



We now examine the Nyquist plot of H(s) = 1 + KG(s). By the argument principle,

> N = Z - P,where  $N = \#(\bigcirc$  encirclements of 0 by Nyquist plot of 1 + KG(s)),Z = #(zeros of 1 + KG(s) inside C),P = #(poles of 1 + KG(s) inside C)

Now we extract information about RHP roots of 1 + KG(s)