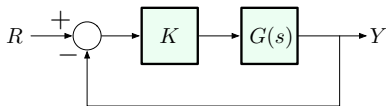


# Stability from Frequency Response

Consider this unity feedback configuration:



**Question:** How can we decide whether the *closed-loop* system is stable for a given value of  $K > 0$  based on our knowledge of the *open-loop* transfer function  $KG(s)$ ?