

Stability: ROC of H(s) can also be related to the stability of a system. An LTI system is stable if and only if the ROC of its system function (w) includes the jw-axis. splene Exp 9.20 (S+1)(S-2) $\frac{S-1}{(S+1)(S-2)} = \frac{A}{(S+1)} + \frac{B}{(S-2)}$ After partial fraction $A = \frac{2}{3}$, $B = \frac{1}{3}$





