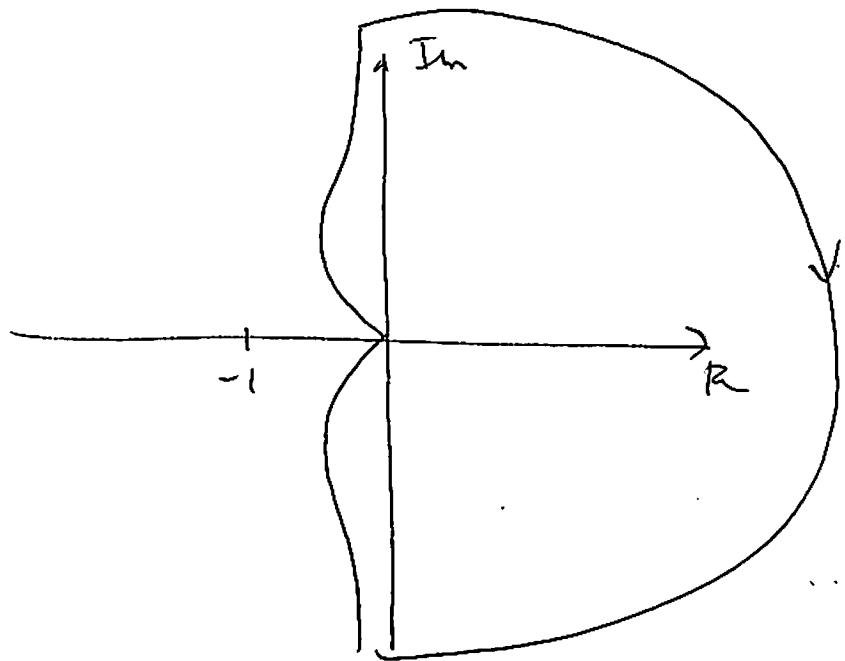


- ⑤ $GM = \infty$ (considering phase plot approach -180° asymptotically)
 or $GM = +40 (.55) = +22 \text{ dB}$ (considering $\angle G(j\omega) = -180^\circ$ @ 2.5 rad/s)

Nyquist plot



- ⑥ crossover freq: 0.71

$$T_d(0.71) = (25^\circ) \times \frac{\pi}{180}$$

$$\Rightarrow T_d = \underline{.61}$$