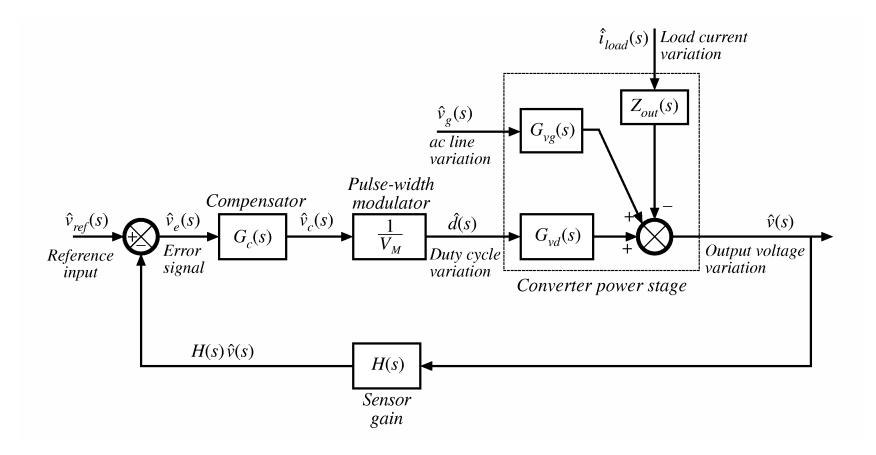
Block Diagram





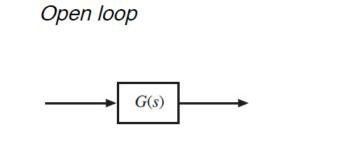
Closed-Loop Transfer Functions



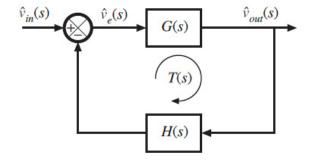
Solution of Block Diagram



Open-Loop and Closed-Loop

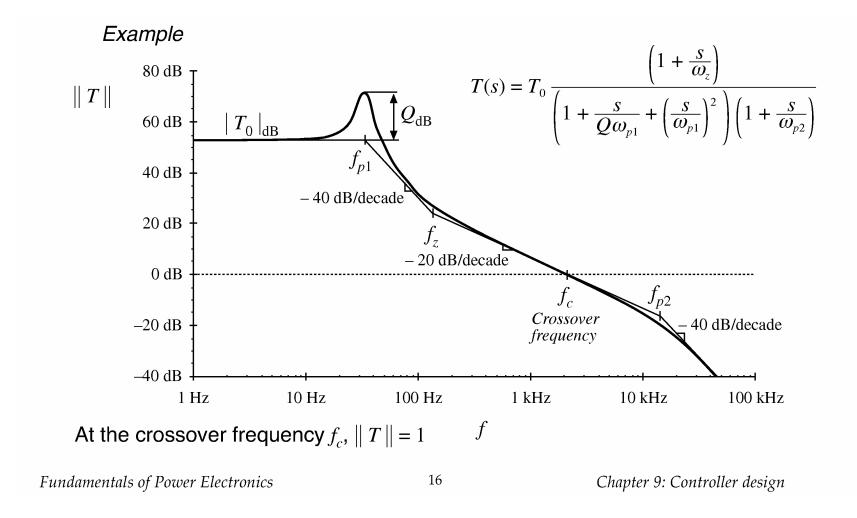


Closed loop



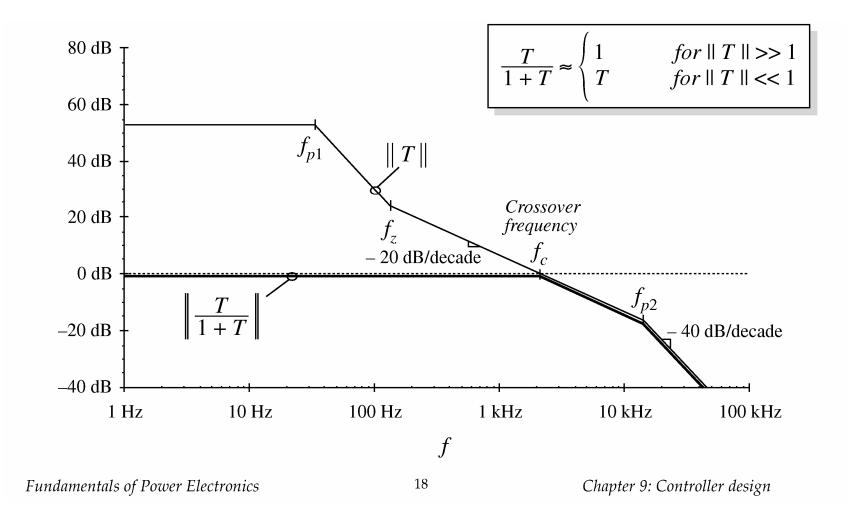


Construction of the Loop Gain



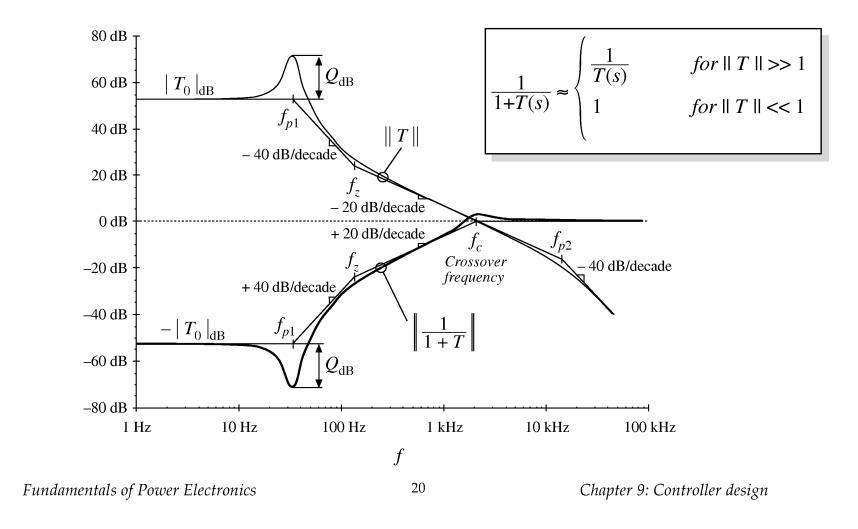


Tracking of Reference





Rejection of Disturbances





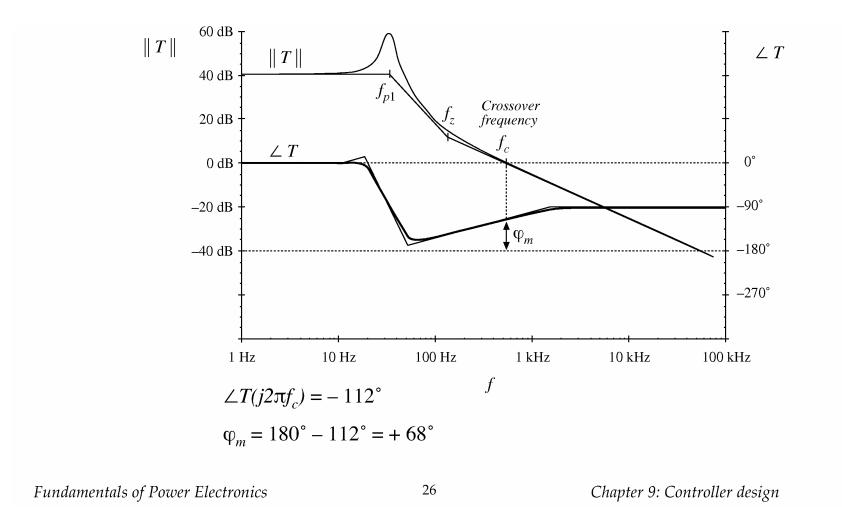
Determining Stability From T(s)



The Phase Margin Test

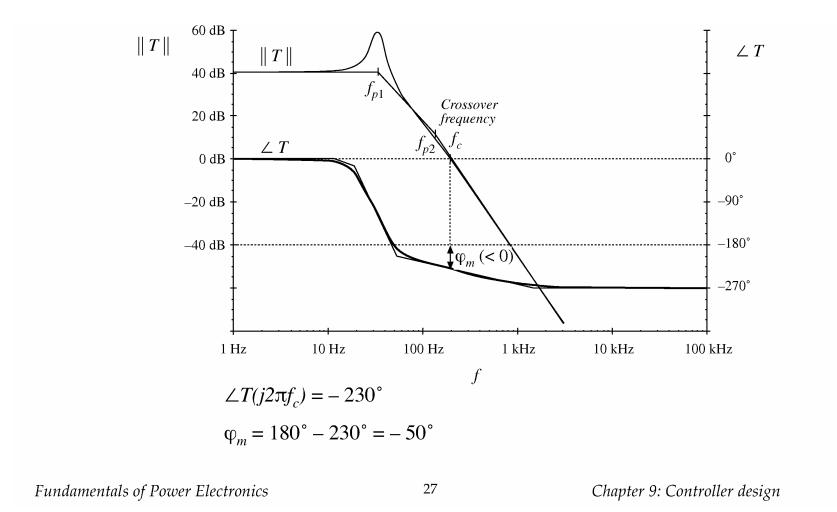


Example: Stable System





Example: Unstable System





Nyquist Stability Criterion

T(s) = (s-1)

