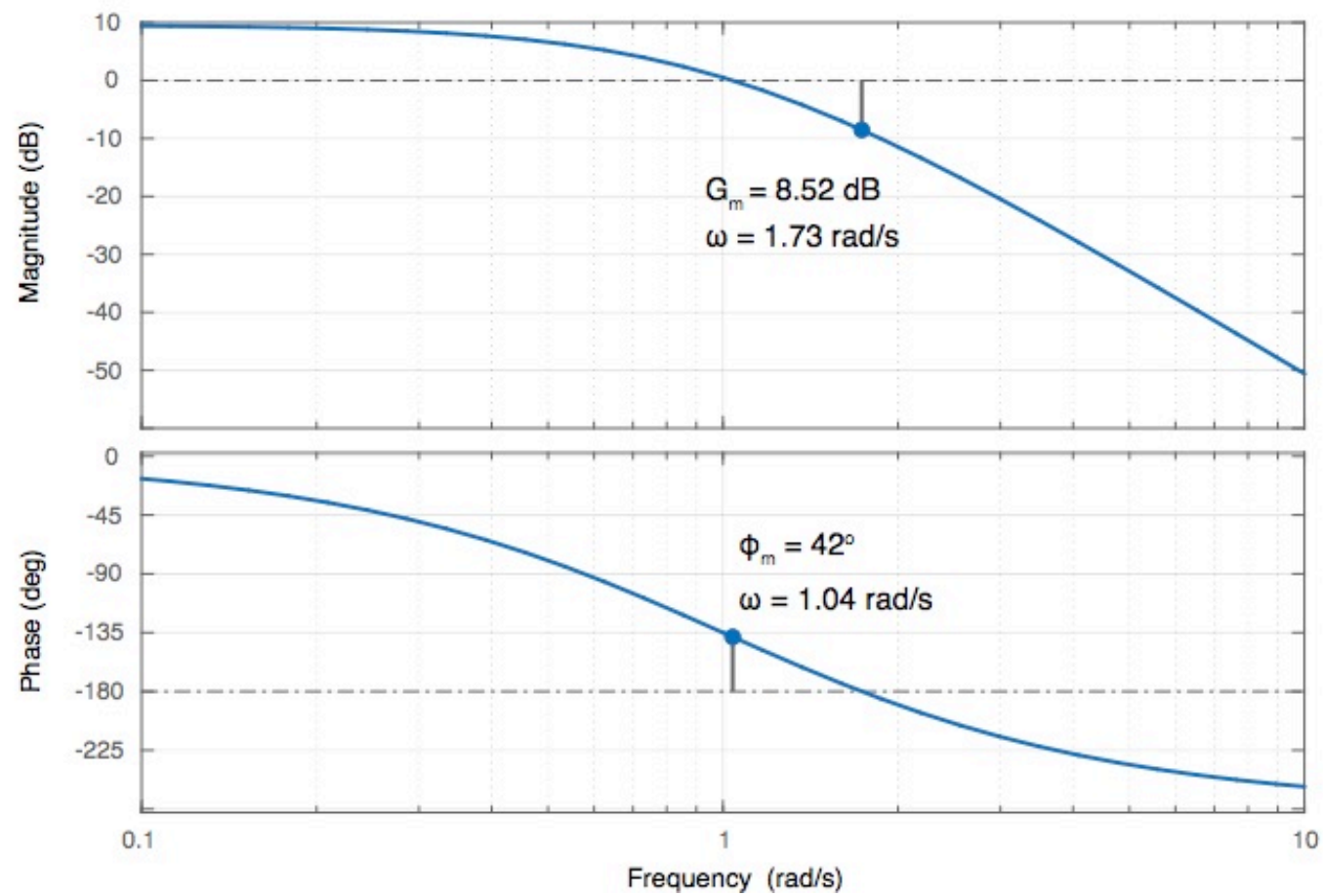
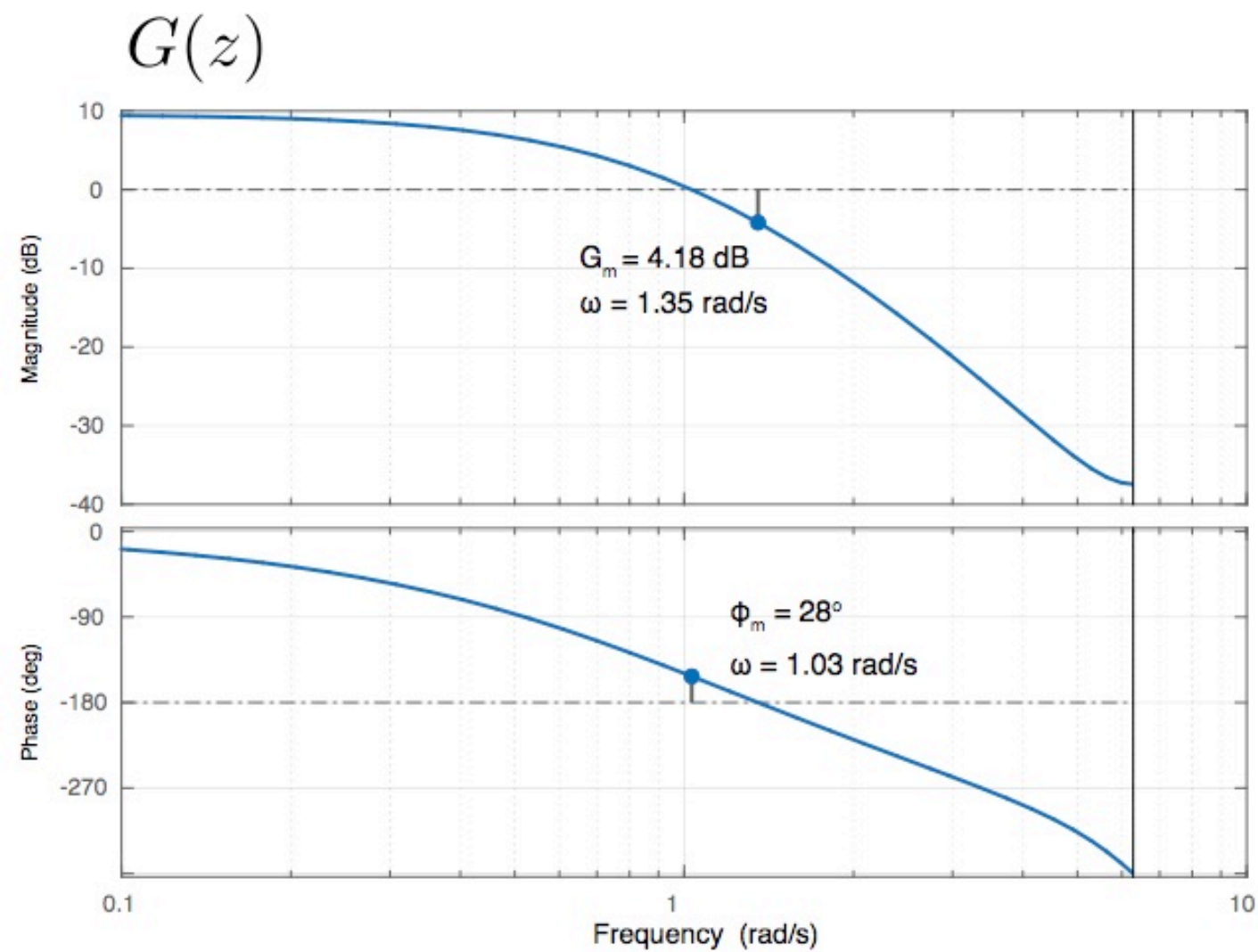
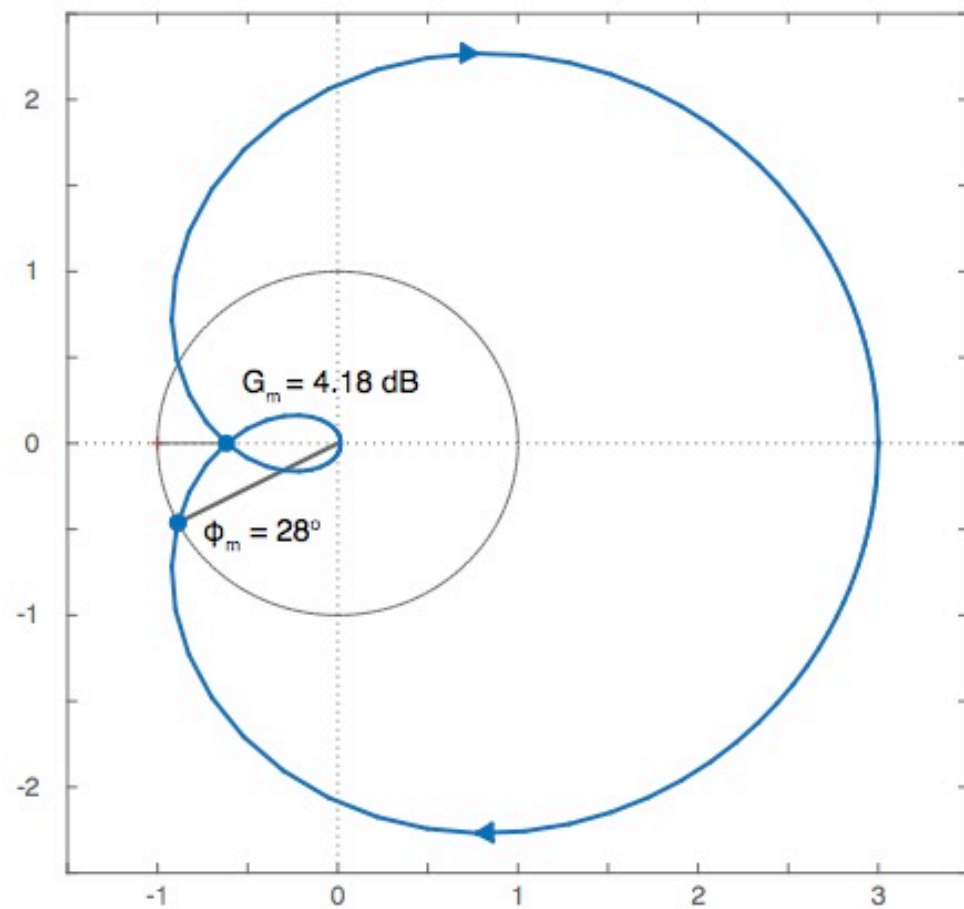
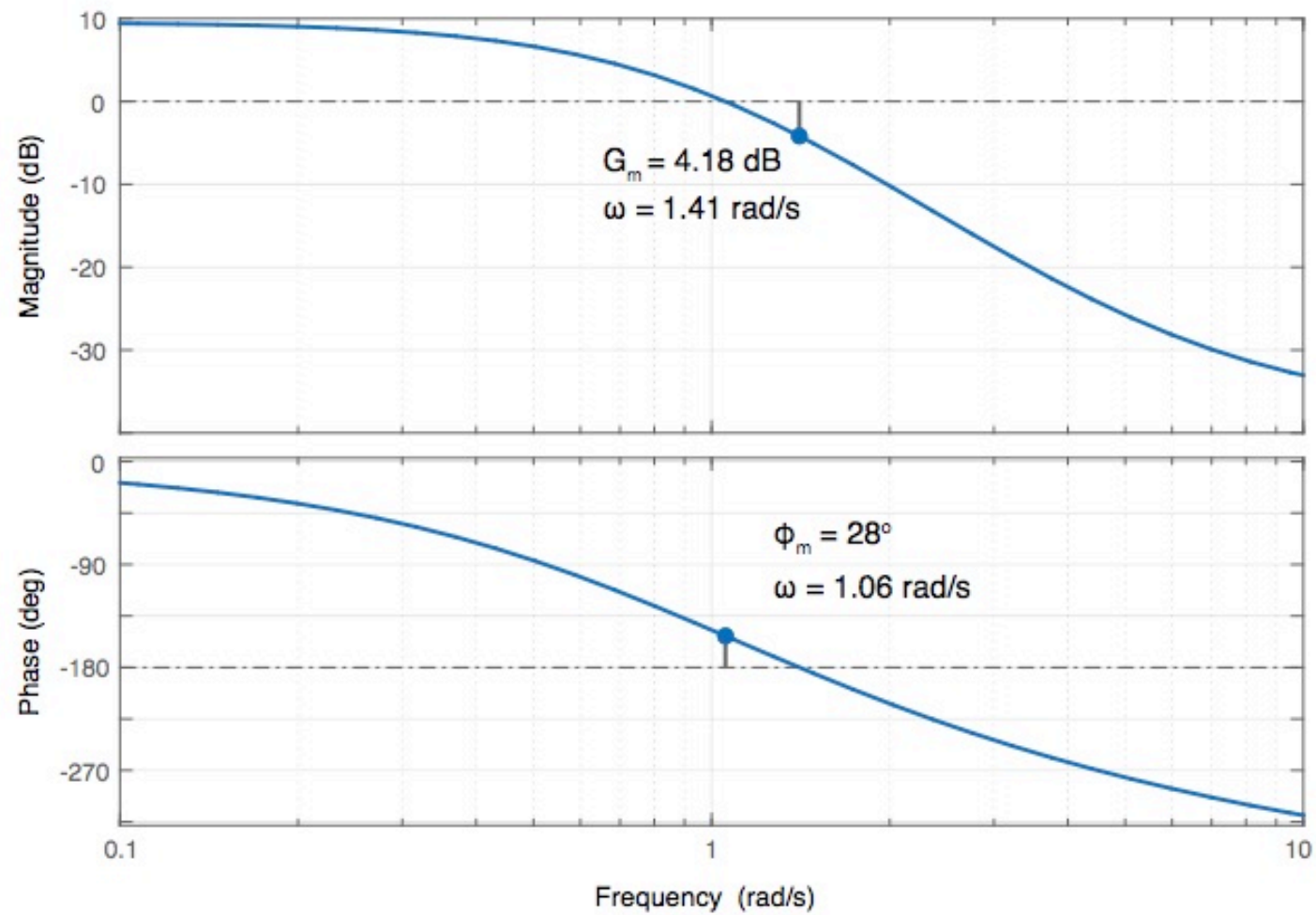
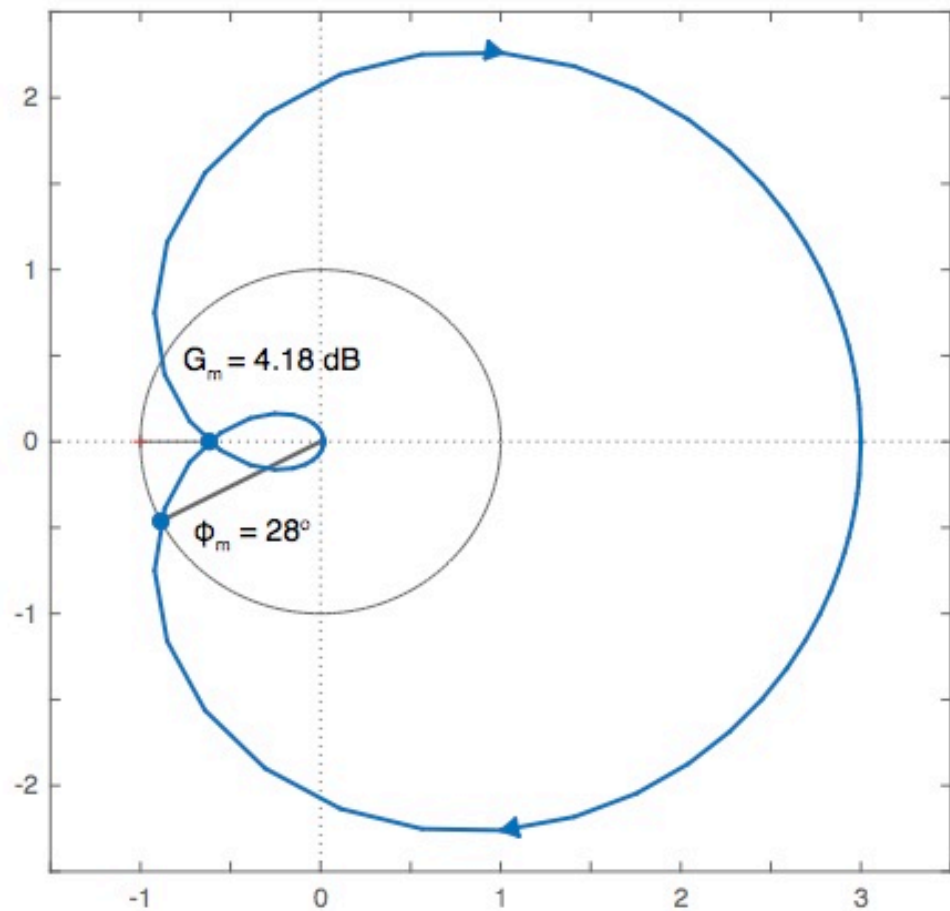


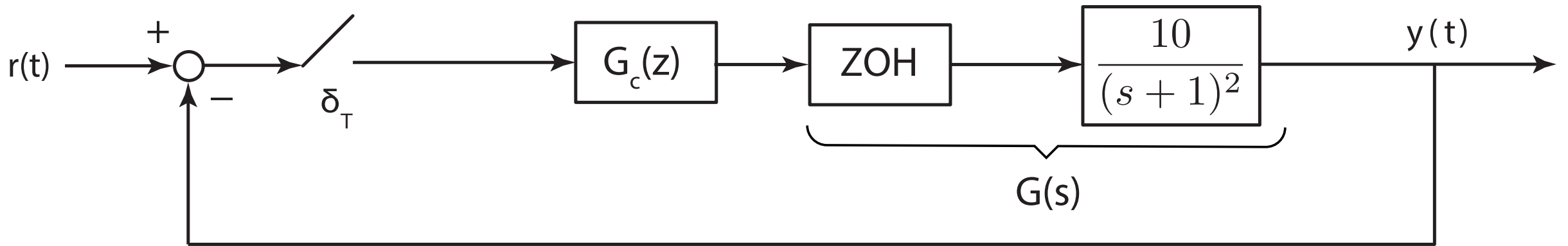
$G(s)$



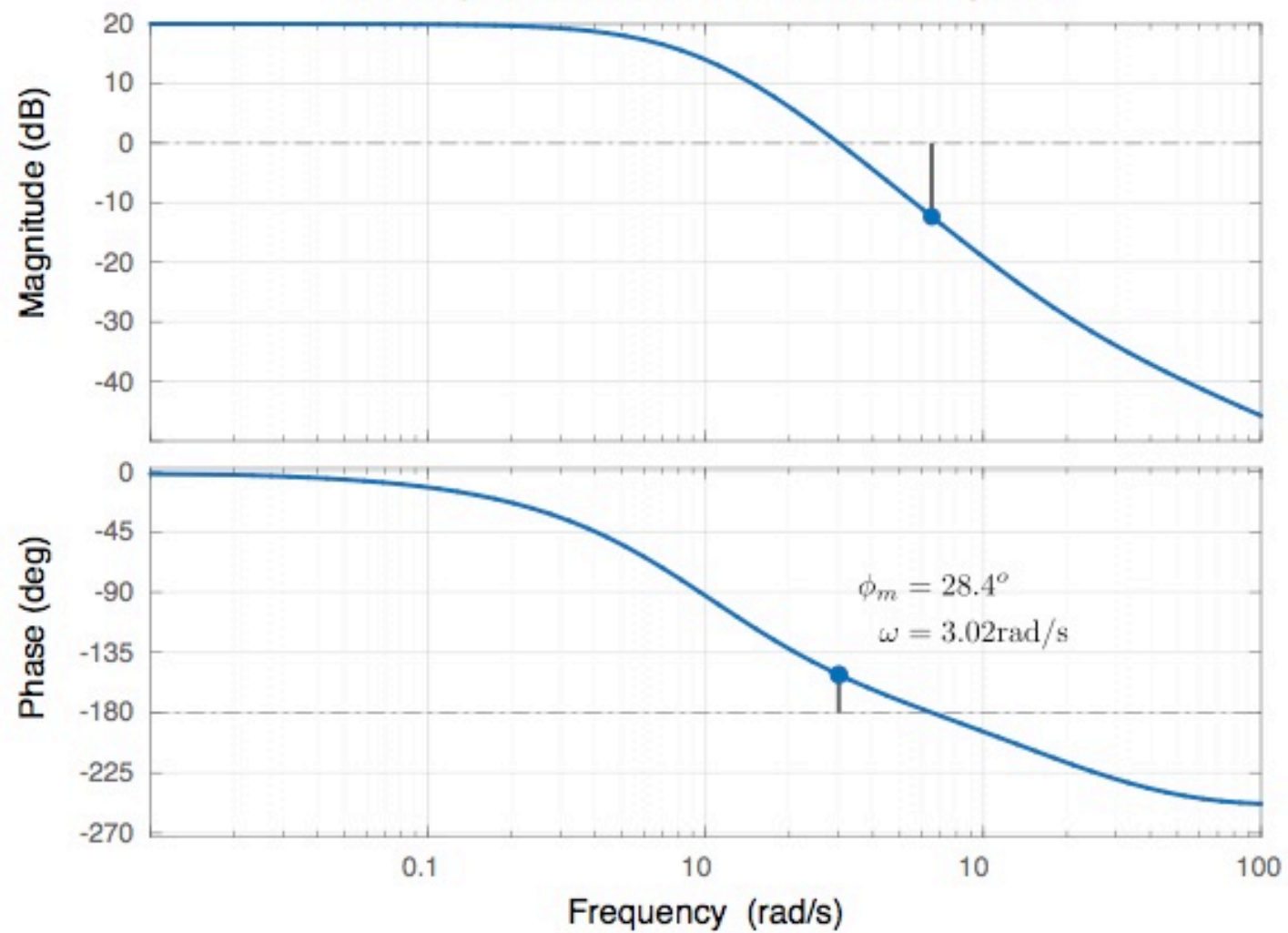


$$G(\bar{s})$$

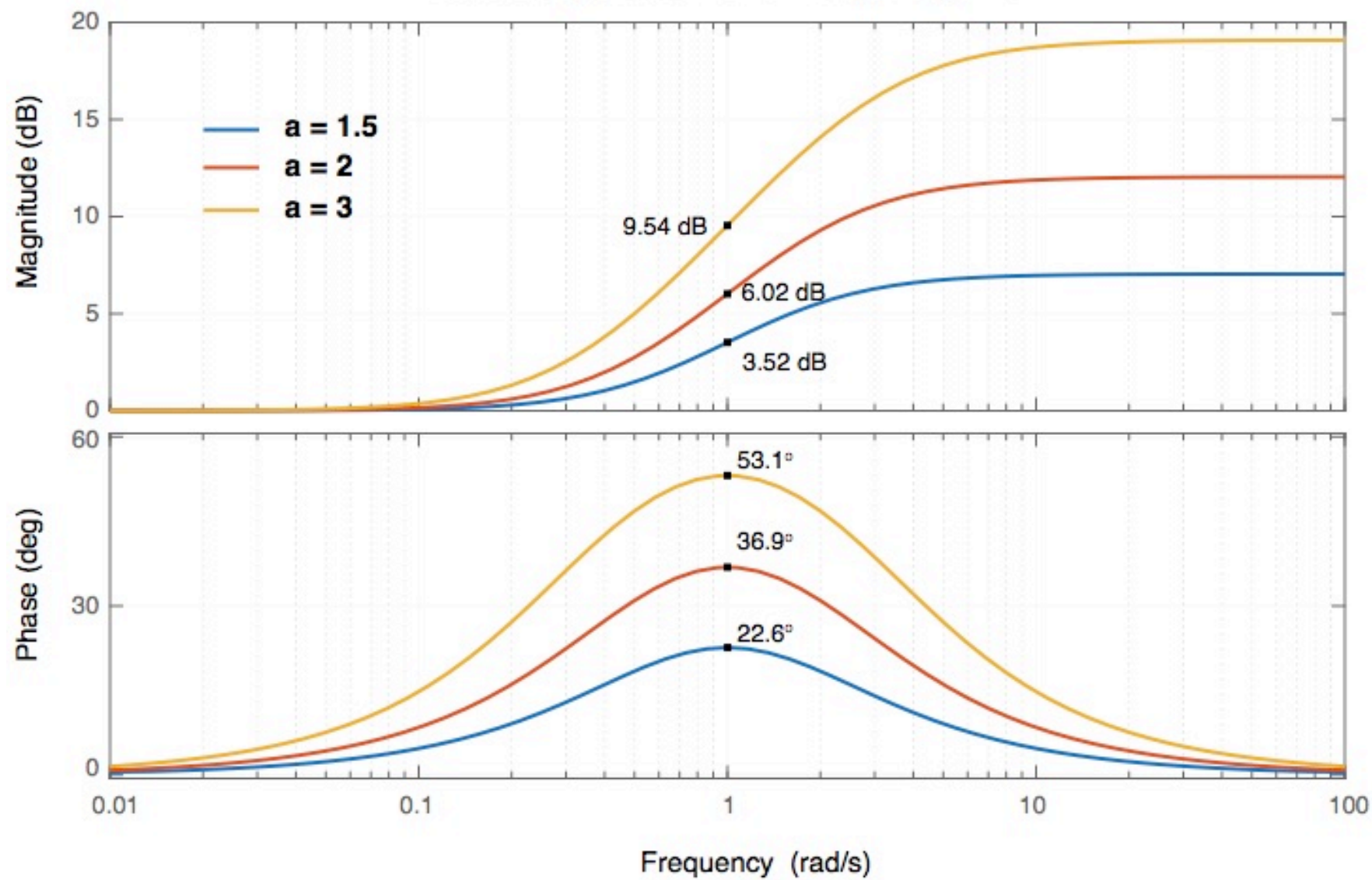




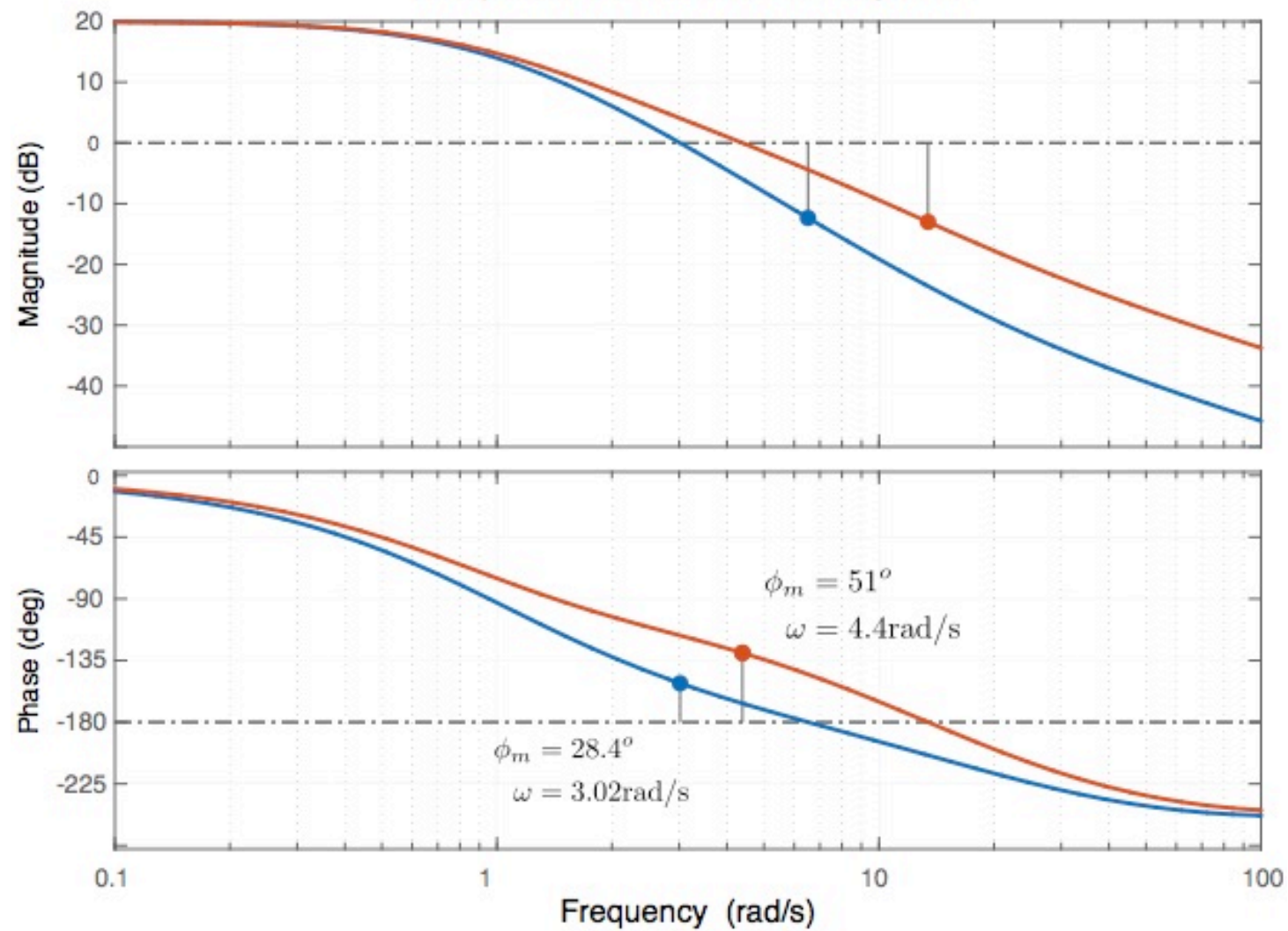
Uncompensated Tustin Transformed System



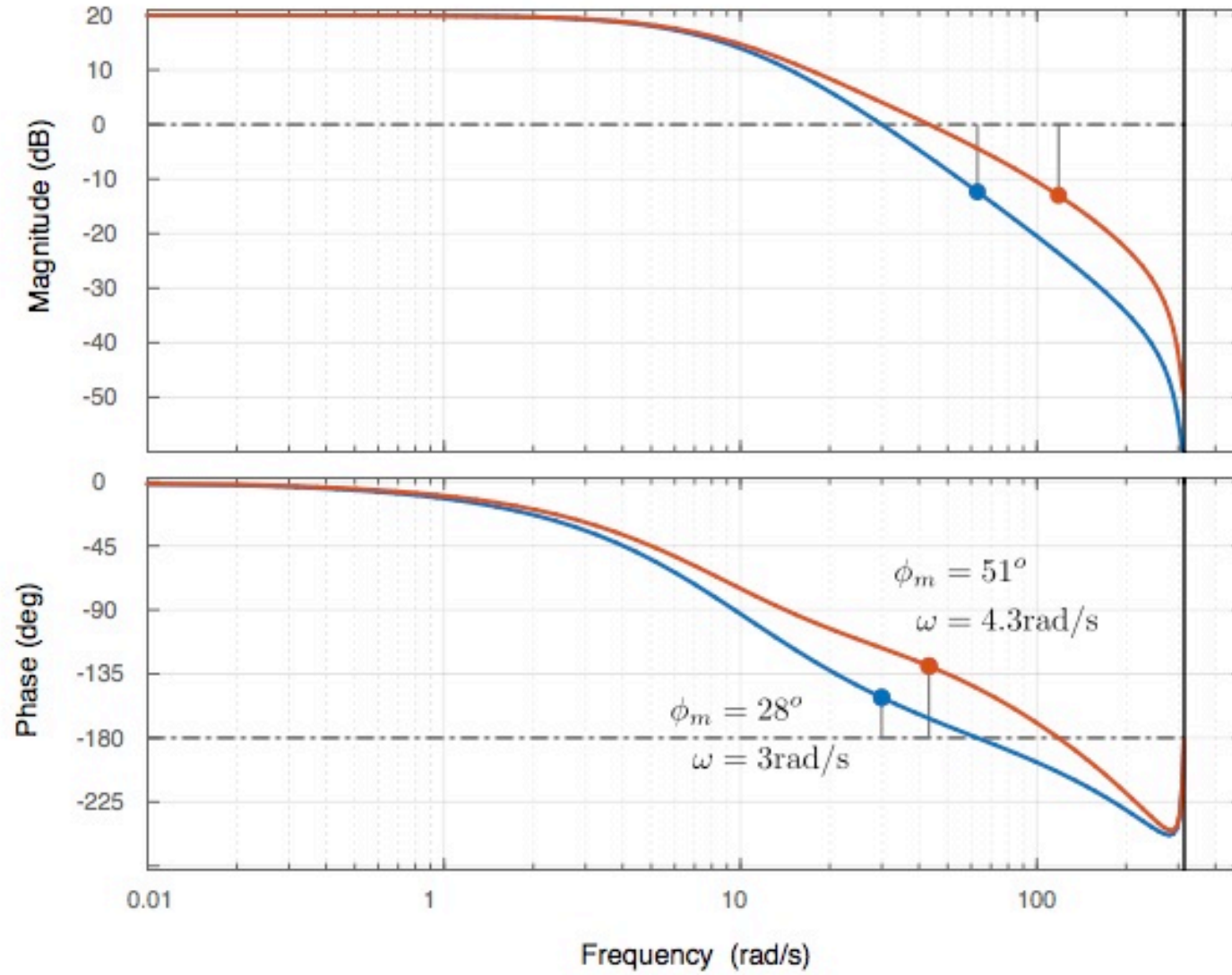
Lead Compensator for $a = 1.5$, $a = 2$, $a = 3$



Compensated Tustin Domain System



Compensated and Uncompensated Open-Loop Pulse Transfer Functions



Step Resposes - Compensated (Red) and Uncompansated (Blue)

