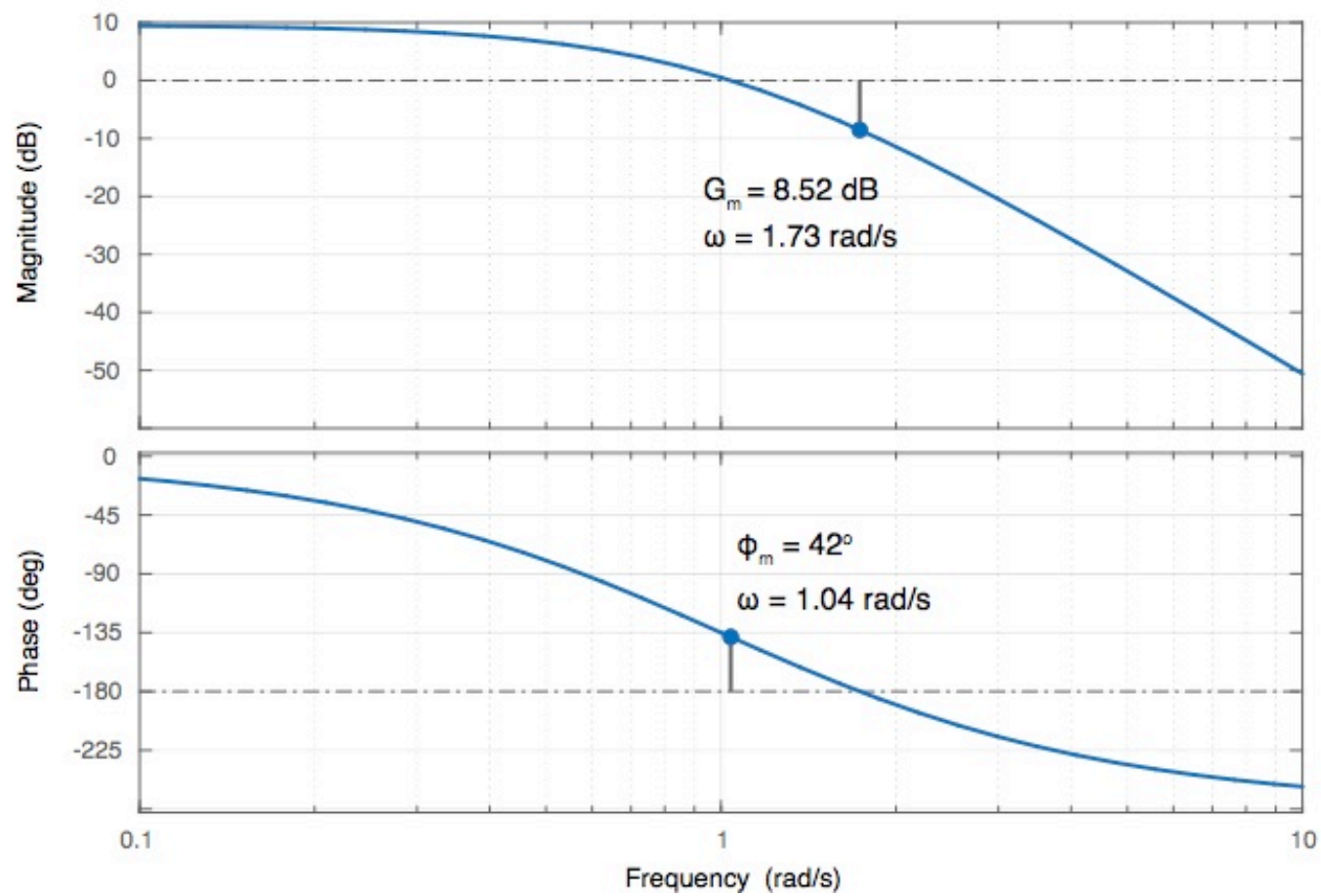
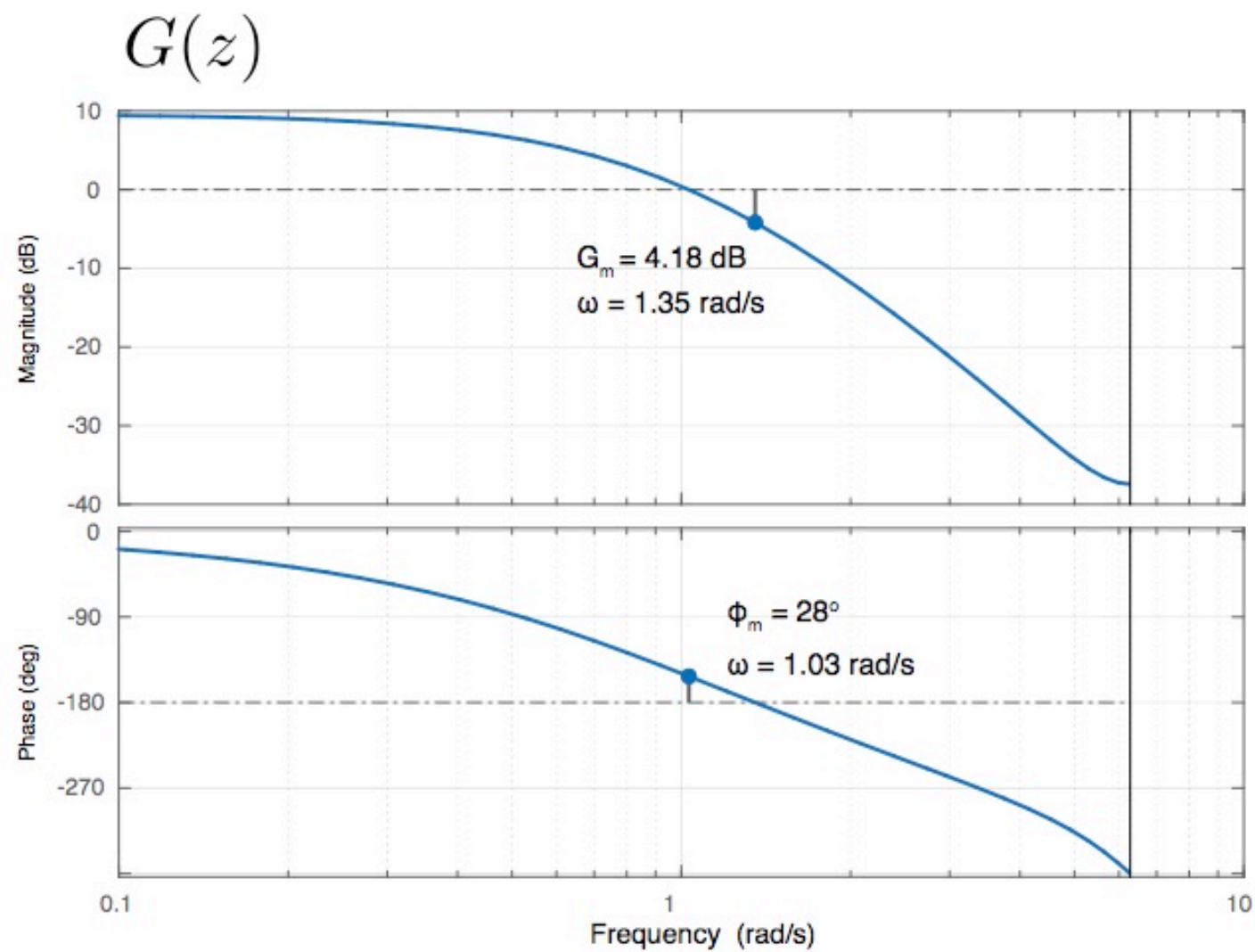
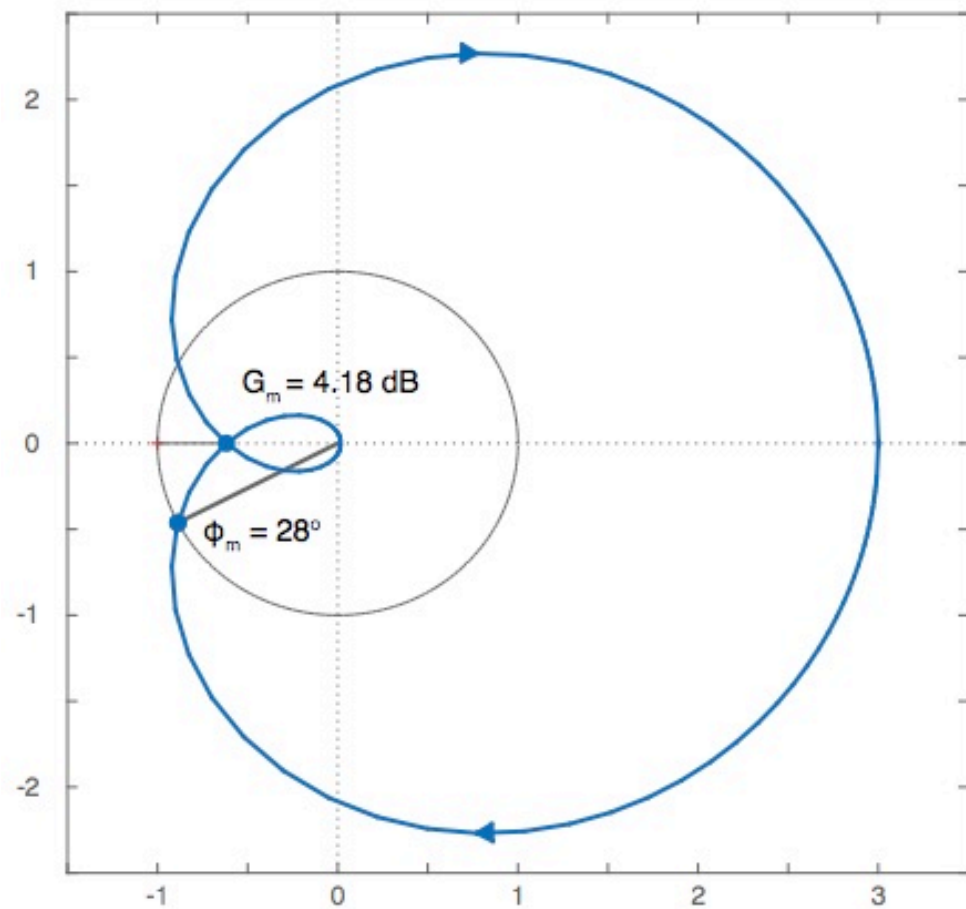
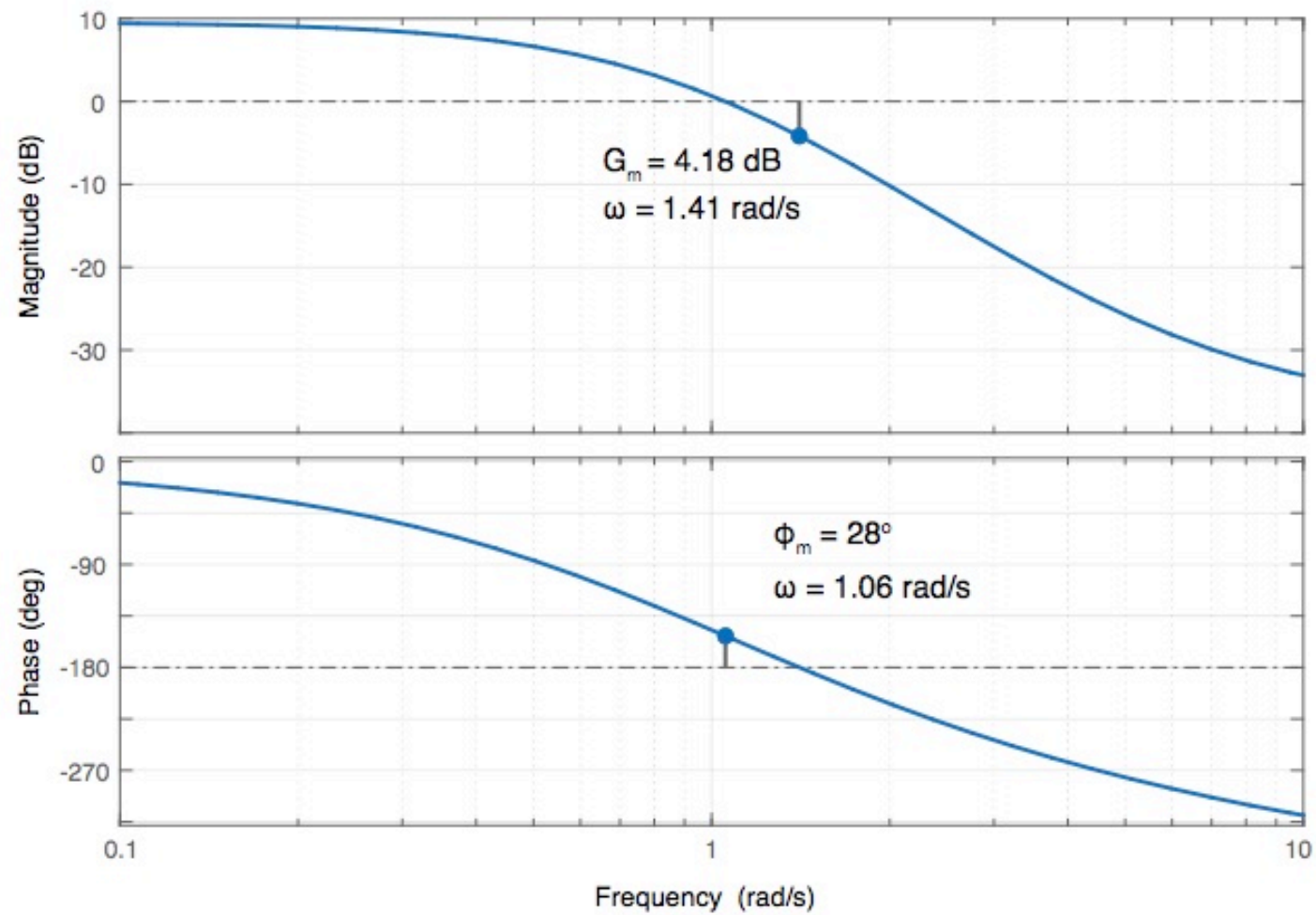
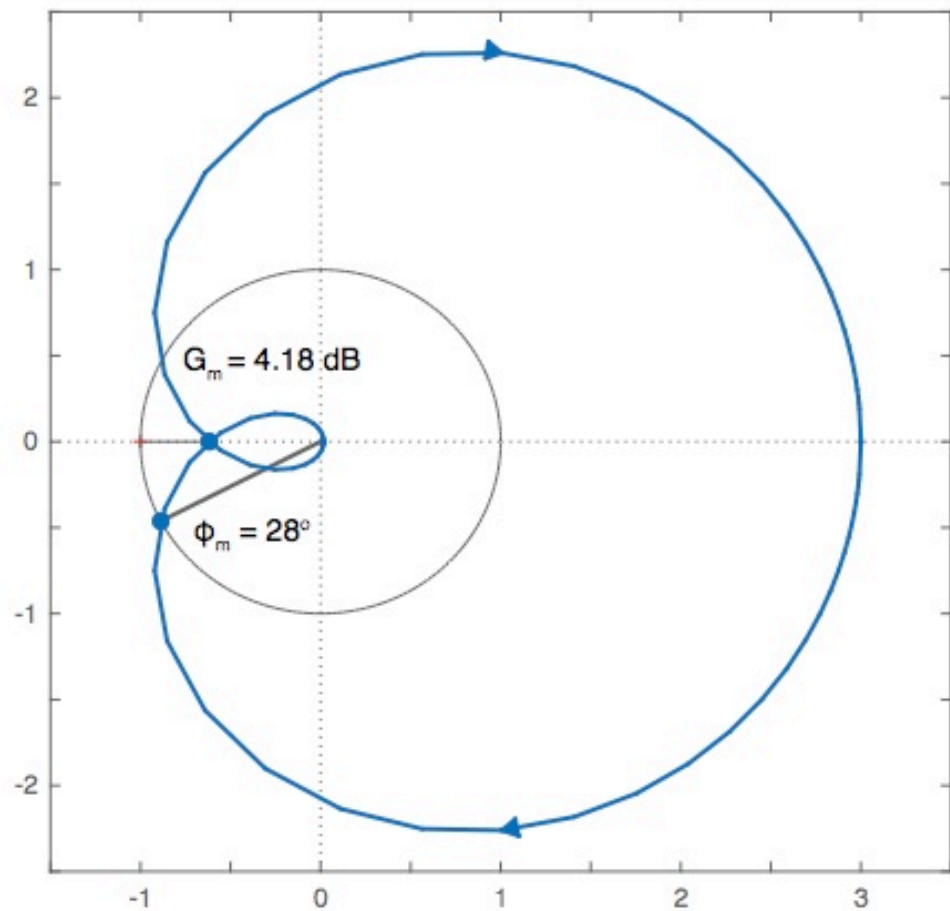


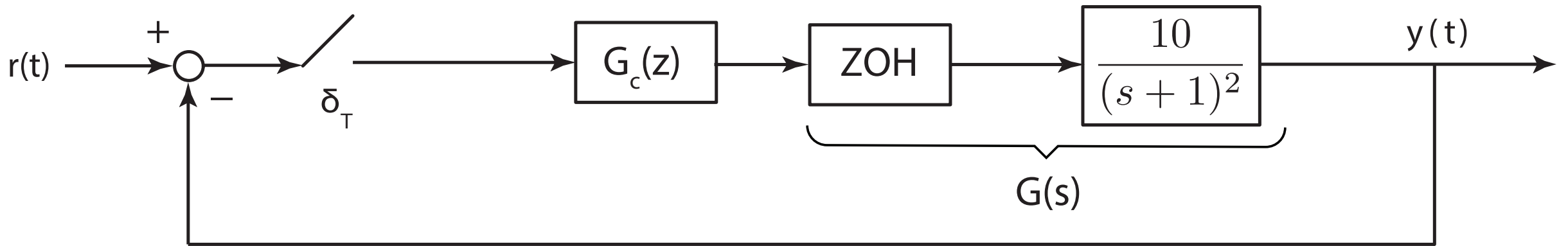
$G(s)$



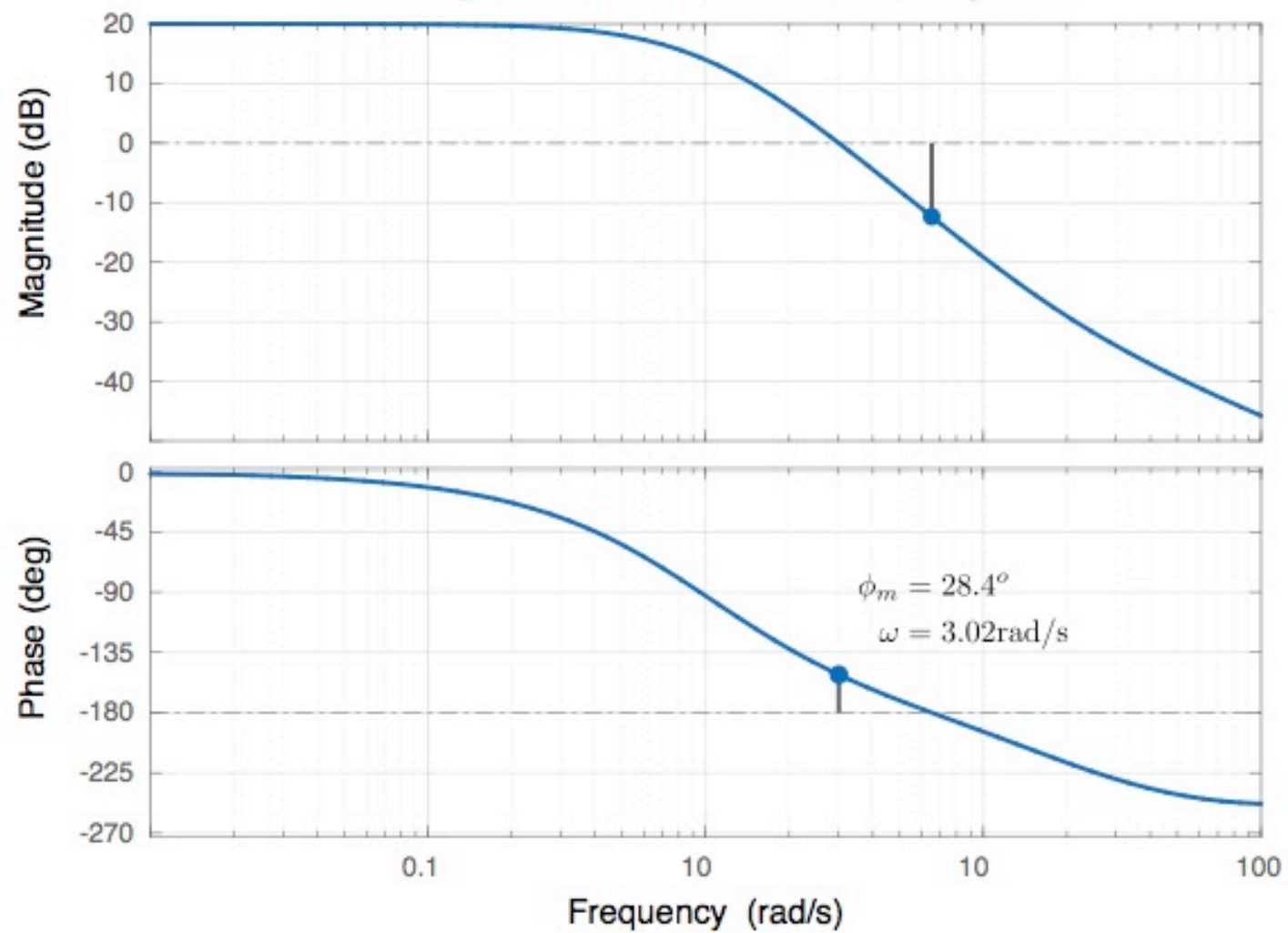


$$G(\bar{s})$$

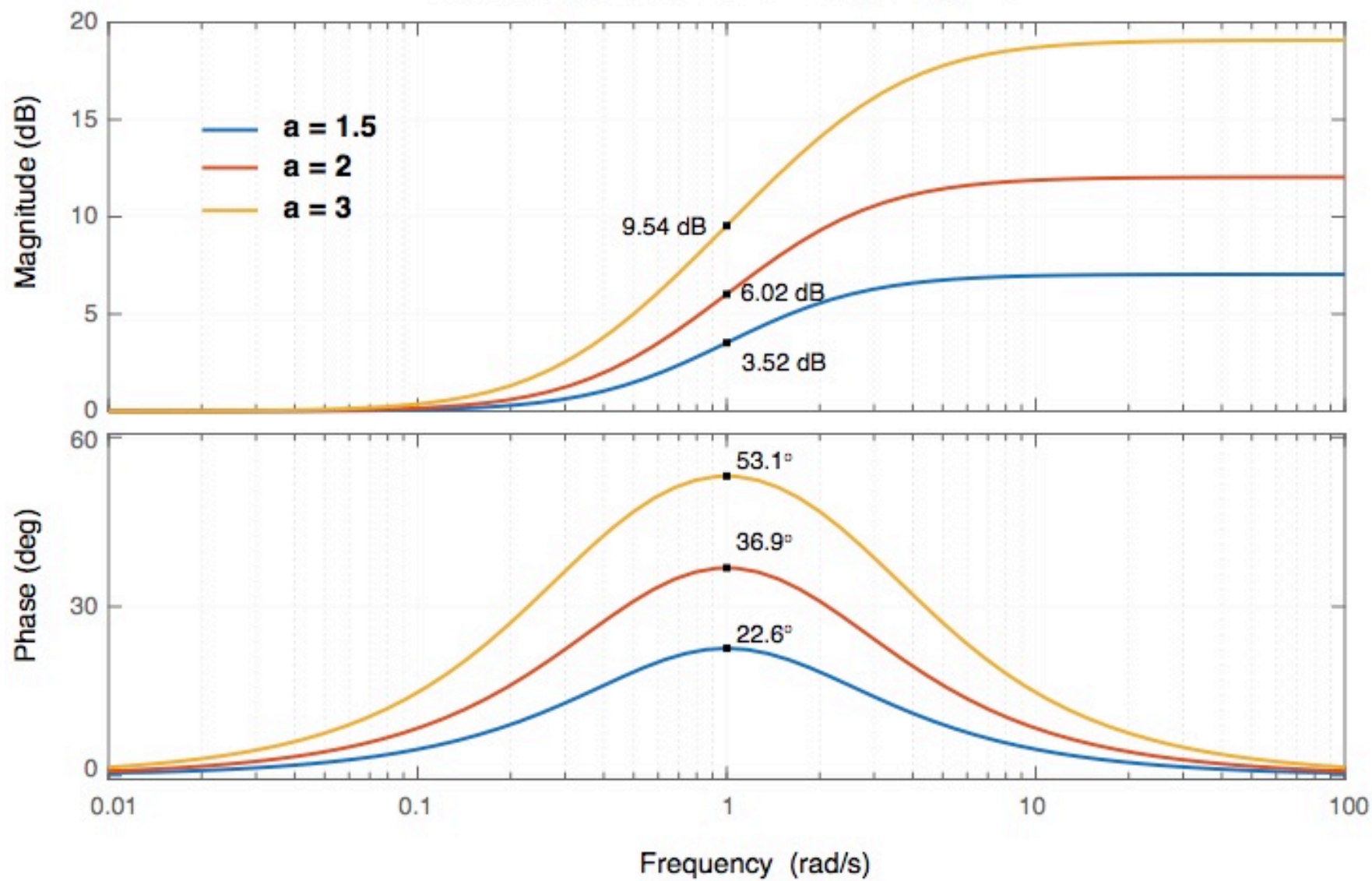




Uncompensated Tustin Transformed System

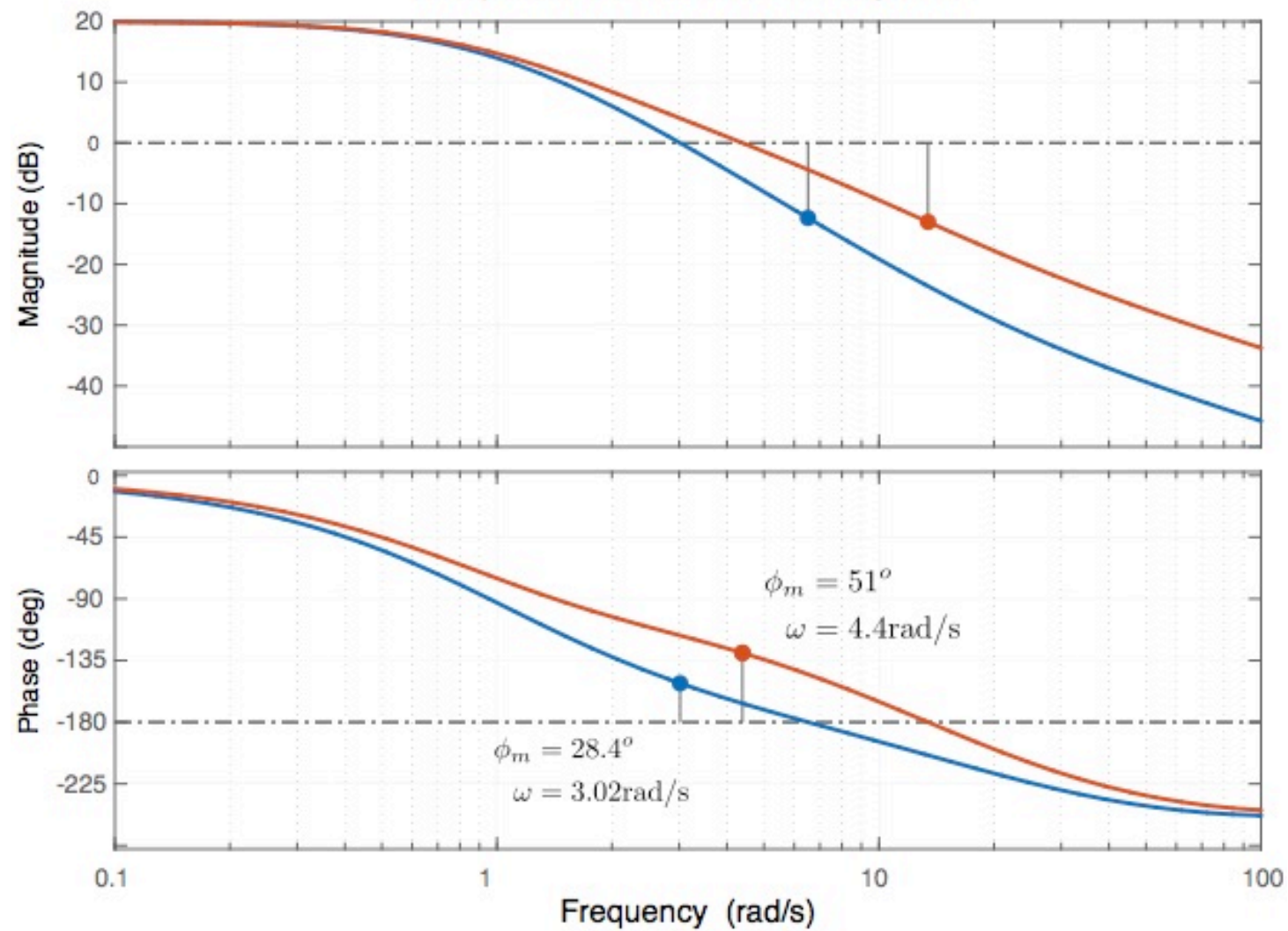


Lead Compensator for  $a = 1.5$ ,  $a = 2$ ,  $a = 3$

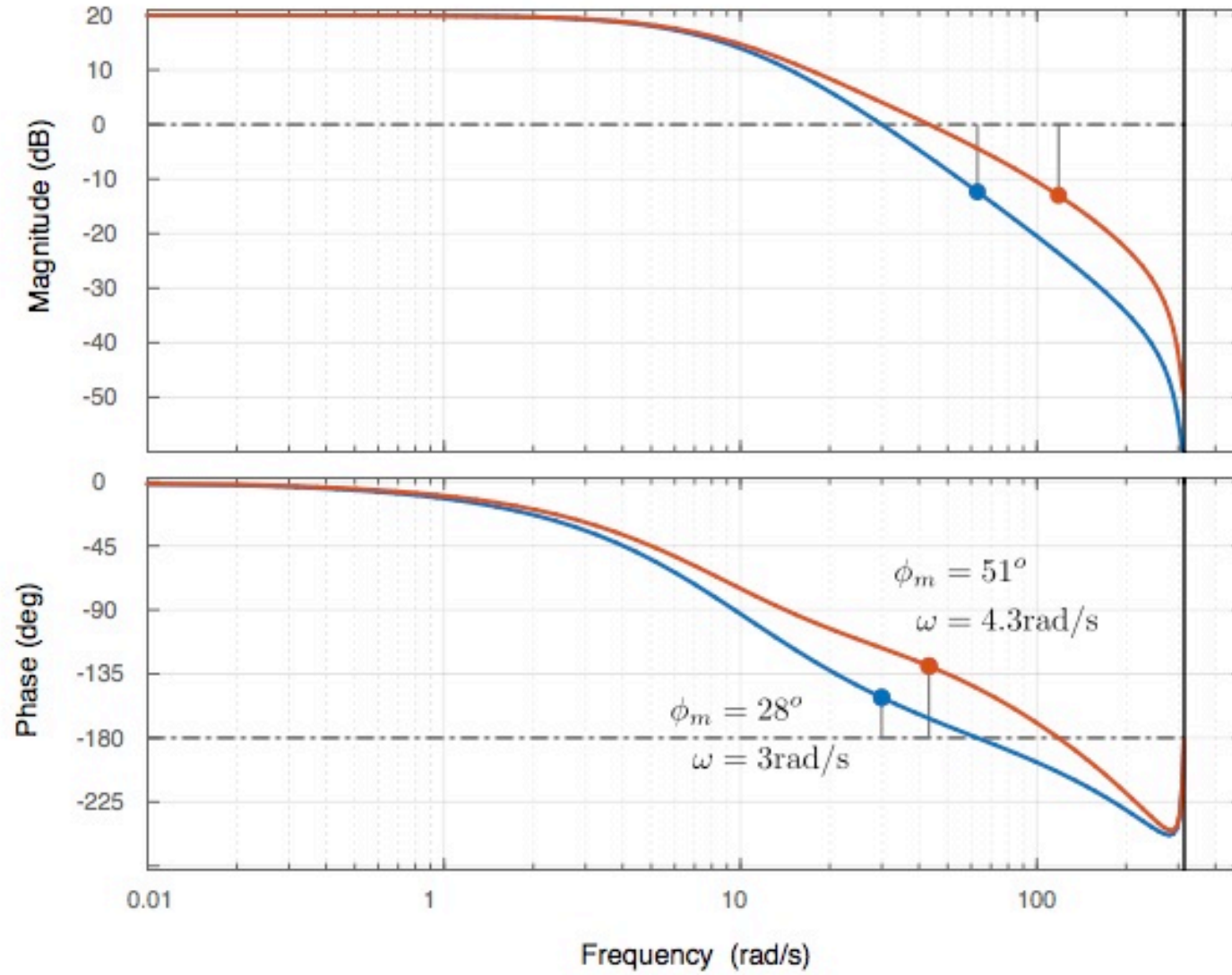




Compensated Tustin Domain System



Compensated and Uncompensated Open-Loop Pulse Transfer Functions



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

