

EENG307: Intro to Feedback Control

Fall 2020

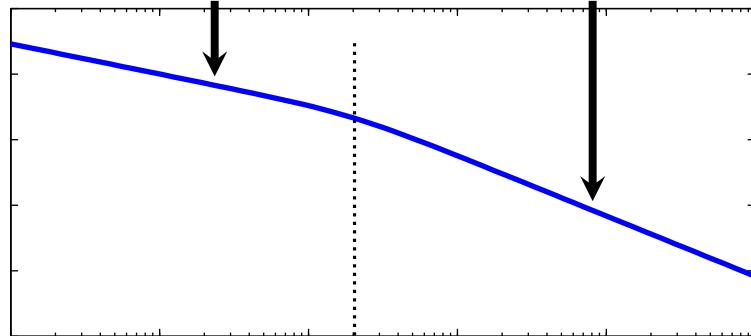
Homework Assignment #10

Quiz #3

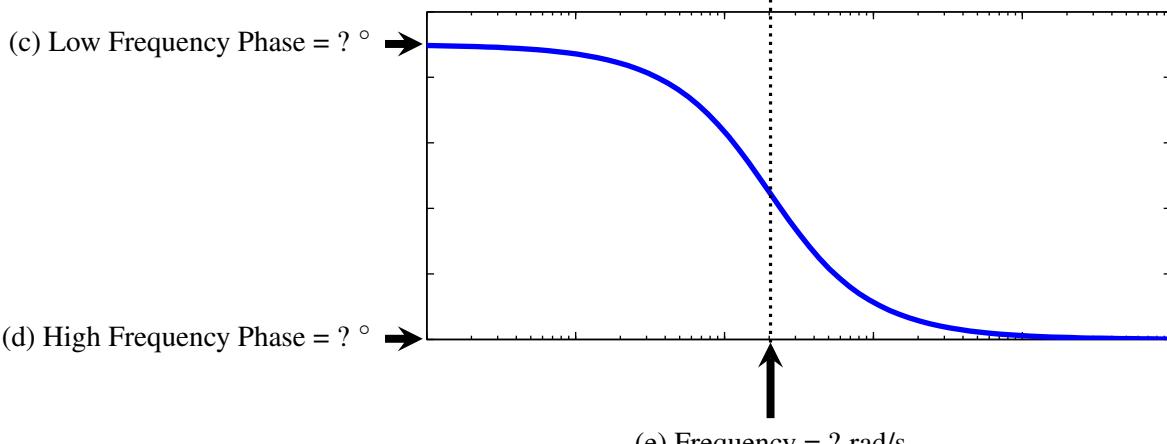
Quiz Question Friday: Find the following quantities indicated below if this is the Bode plot for the system

$$G(s) = \frac{2000}{s(s + 200)}$$

(a) Slope = ? dB/decade



(b) Slope = ? dB/decade



(c) Low Frequency Phase = ? °

What is the High Frequency Phase?

- (a) -90°
- (b) -180°
- (c) -225°
- (d) -270°
- (e) -315°

(d) High Frequency Phase = ? °

(e) Frequency = ? rad/s