

# EE513 Homework 5

Due May 11th, 2017 @ class

**Read** Erickson textbook, Chapter 8 & 9.

**Problems** Erickson textbook, problems 8.1, 8.17, 9.3, 9.9

**Note** In problem 9.3, you must

- plot the bode plot by hand using asymptote method.
- plot the bode plot in Matlab and verify the accuracy of asymptote method.

In problem 9.9, you may use Matlab to facilitate your compensator design.

**Correction** :

In problem 8.17, (a) (b) (c), change  $G_{vg}(s)$  to  $G_{vd}(s)$ .