Experiment No. 11

Title: Bode Plot of the given transfer function.

Objectives:

1. To find transfer function of system using MATLAB.
2. To visualize the bode plot on *s*-plane

MATLAB:

1. Write a MATLAB program to obtain the root locus for the given transfer function.

$$GH(s) = \frac{5(s + 2)}{(s + 5)(s + 10)}$$

2. Write a MATLAB program to obtain the root locus for the given transfer function.

$$GH(s) = \frac{10(s + 1)}{s(s + 3)(s + 5)}$$

Conclusion: (Hint: Write your interpretation from output graphs)