

Amplitude and Phase: Second Order II

Problem 1

- (a) Turn on the 'Bode Plots'. Play with it for a few minutes to see how it works. Describe how the amplitude response changes as b and k are varied.
- (b) Find the periodic solution to the differential equation used in the applet and give its amplitude response.
- (c) Show that the formula for amplitude response found in part (b) agrees with your description in part (a).