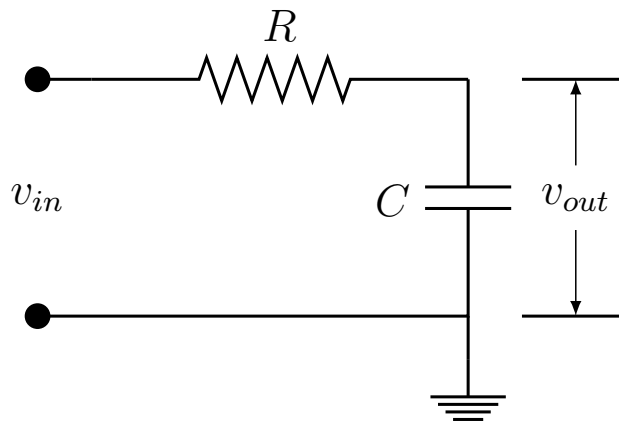


Mini Project 3: Lag Compensation for an RC Filter

Introduction

For mini project 3, you must use a Bode plot to design a lag or lag/lead compensator for an RC filter. Note that you *must* use either a lag or lag/lead compensator and your design must be guided by a Bode plot. Your performance grade will be based on $\pm 1\%$ settling time for a step response with amplitude 100. The step response must have overshoot of less than 10%.

RC Filter Schematic



Example Step Response

