

# Lab 1 - ME155C/ECE147C

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## Abstract

## 1 Introduction

## 2 System Identification

### 2.1 Process to be controlled

### 2.2 Non-Parametric Identification

### 2.3 Parametric Identification

## 3 Controller Design

### 3.1 Design Methodology

### 3.2 Simulation Results

## 4 Closed-loop Testing

### 4.1 Step Response Experiments

### 4.2 Closed-loop Frequency Response

## 5 Conclusions and Future Work

## References