HW #2 CS159

First Name Second Name
UIN

Due on April 15 2021

Instructions

Please LaTeX your solutions using the attached template. Fill in each section with your answers and please do not change the order of sections and subsection.

You need to submit both a PDF and your code.

1 Problem 1

1.1 Nonlinear MPC (1 points)

1.2 Sequential Quadratic Programming (3 points)

1.3 Nonlinear MPC using an SQP Approach (2 points)

Approach 1:
Approach 2:

2 Problem 2

2.1 MPC Design (6 points)

Approach 1:
Approach 2:

2.2 MPC Region of attraction (4 points)