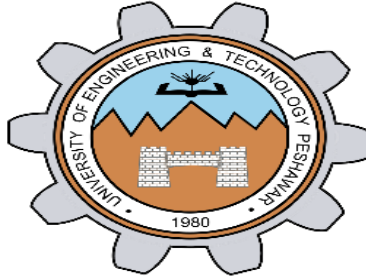


Lab report no 6



Fall 2022

Control System Lab

Submitted By

Name	Registration No
Muhammad Ali	19pwcse1801

Section: A

Date: 15,11,22

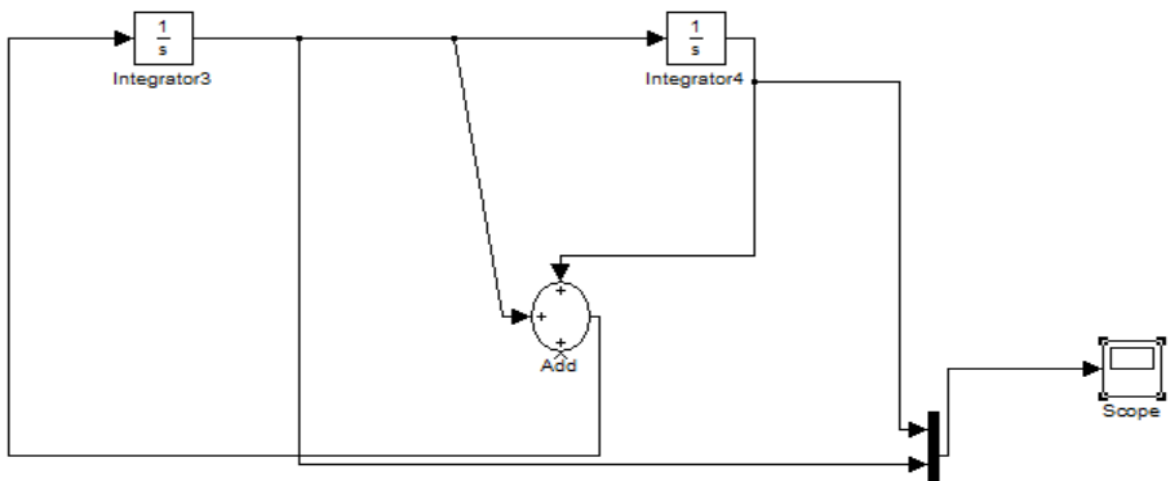
Submitted to: Dr Muniba Ashfaq

Department of Computer Systems Engineering
University of Engineering and Technology, Peshawar

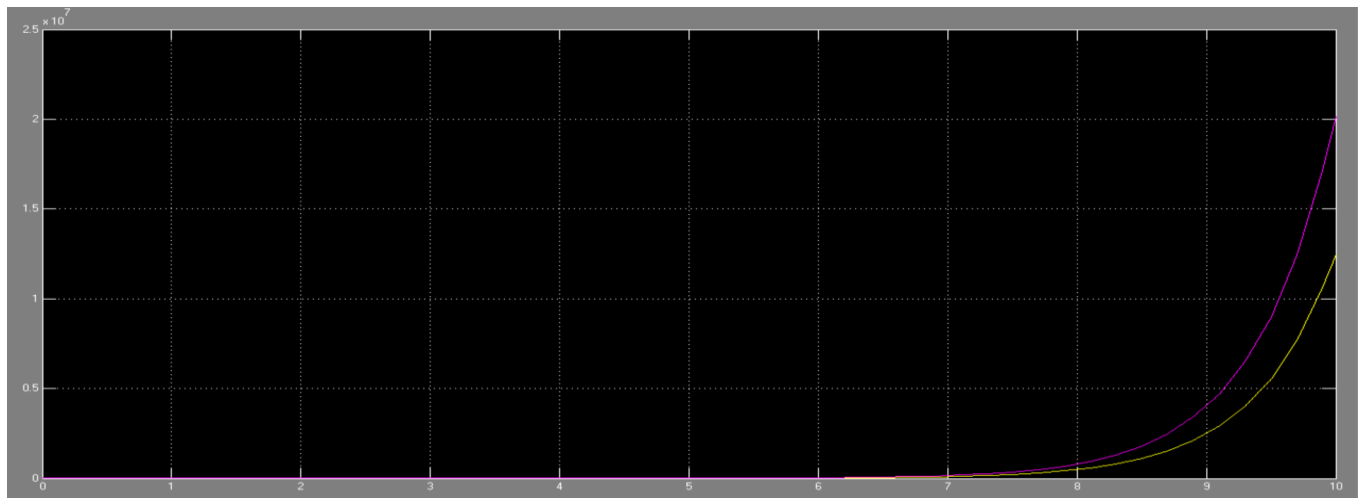
Objectives: -

- To understand differentiation of the system in Simulink.
- To learn how to find simulation of differential equation with initial condition.

Task no 1: -



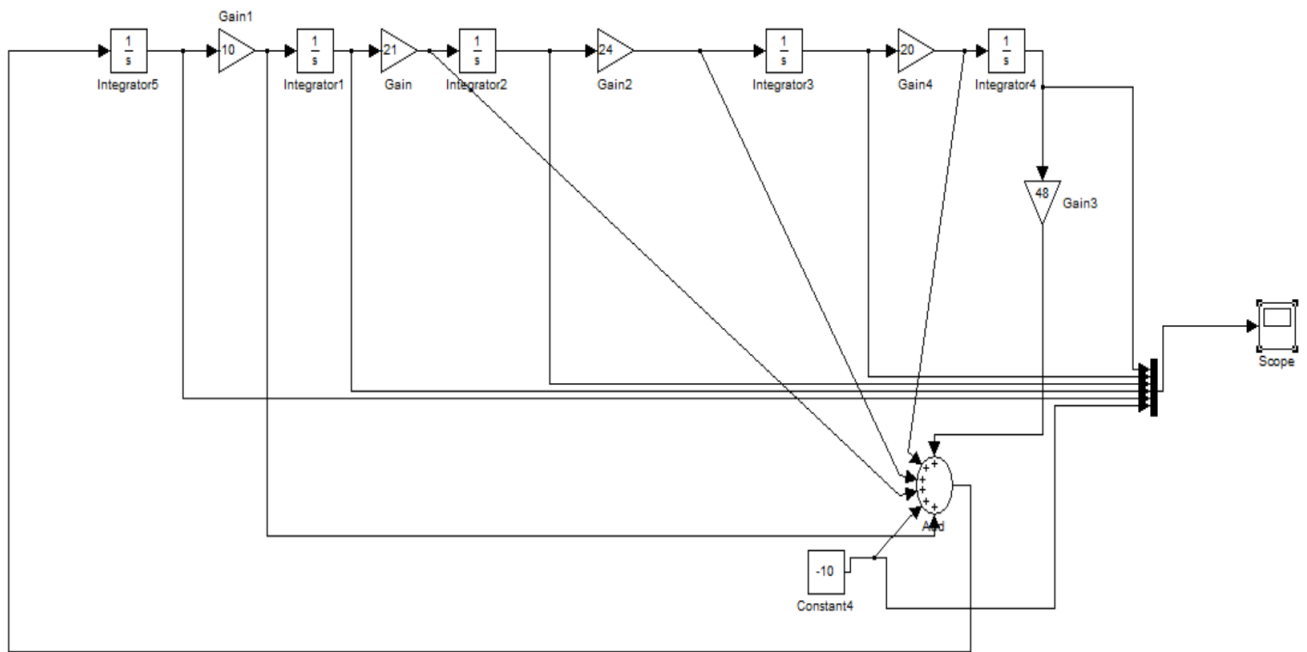
Plot: -



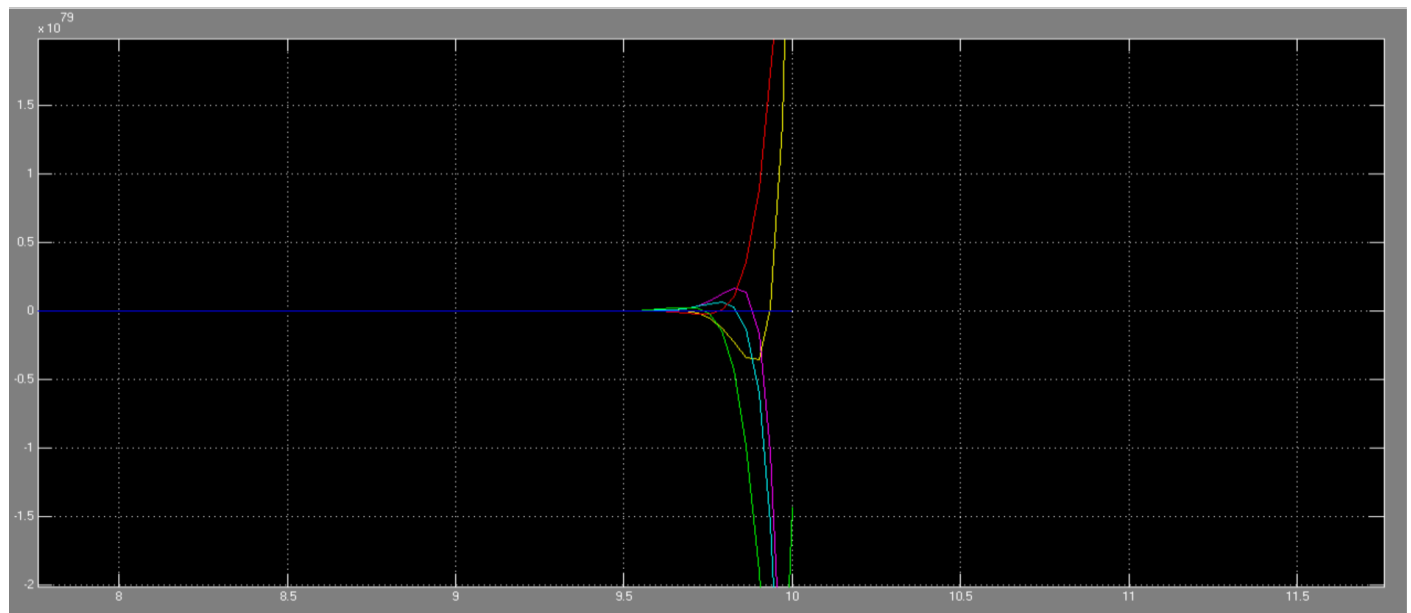
Task no 2: -

Schematic for the derivative expression of

$$y'''' + 48y'''' + 24y''' + 21y'' + 20y' + 10 = 0$$



Plot: -

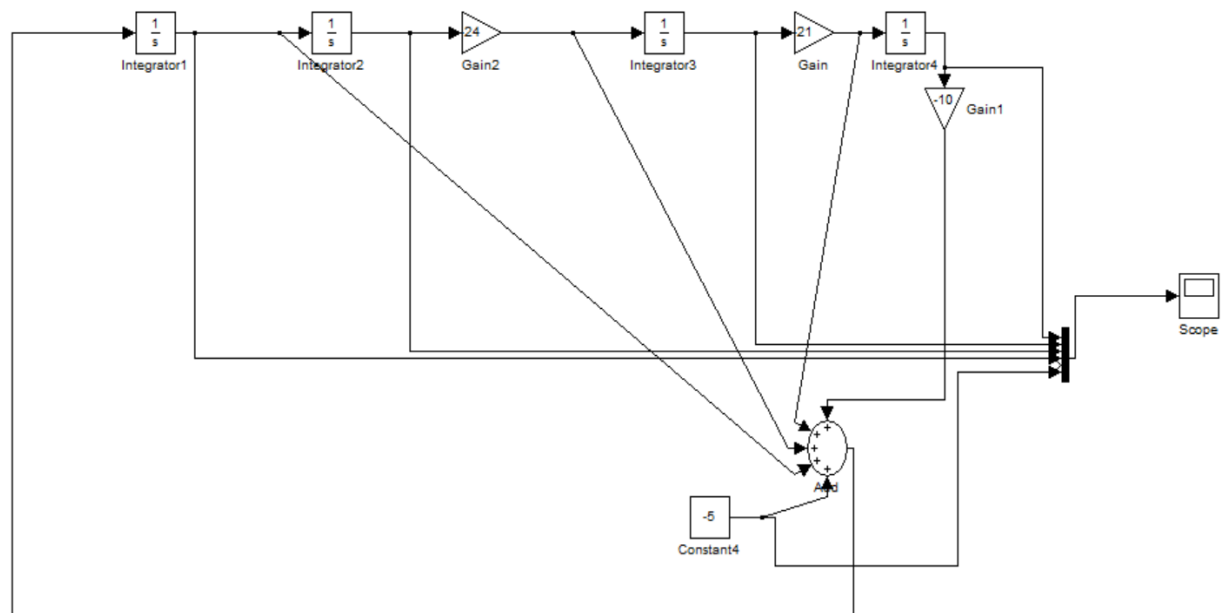


Task no 3: - (equation by example)

Simulink: -

Schematic for the derivative expression of

$$y'''' + 24y''' + 21y'' + 10y' + 5 = 0$$



Plot: -

