Computer S	Science 2	Lab	Exam
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Date 10-5-2022

Total Points 20

Total Time 30 Minutes

Student ID :-Student Group

1. The ball is thrown with the velocity defined by the function V = Sin(8t) + Cos(4t) - 4, Initial poistion of ball is zero and find the position P(t) of ball after time t using Euler. Write answer up to 4 significant digits.

Results	Time step t=0.1	t=0.01	t=0.001	Relative Error Asumming t=0.0001 most accurate.
P(2)				
P(2.9)				

2. The ball is thrown with the velocity defined by the function V = Sin(8t) + Cos(4t) - 4, Initial poistion of ball is zero and find the position P(t) of ball after time t using Euler. Write answer up to 4 significant digits.

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