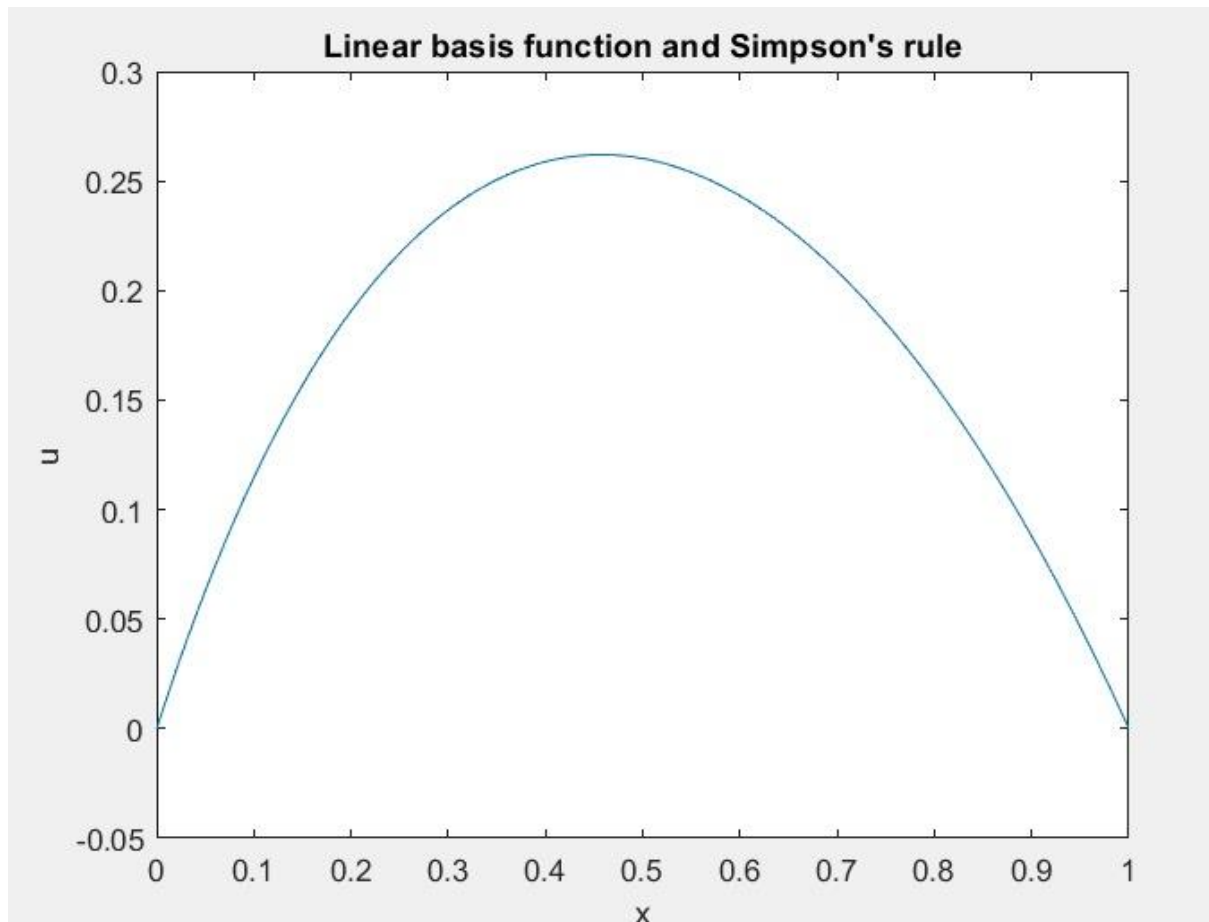


## **MA473: Computational Finance: LAB 8**

**Aman Bucha Roll No:200123006**

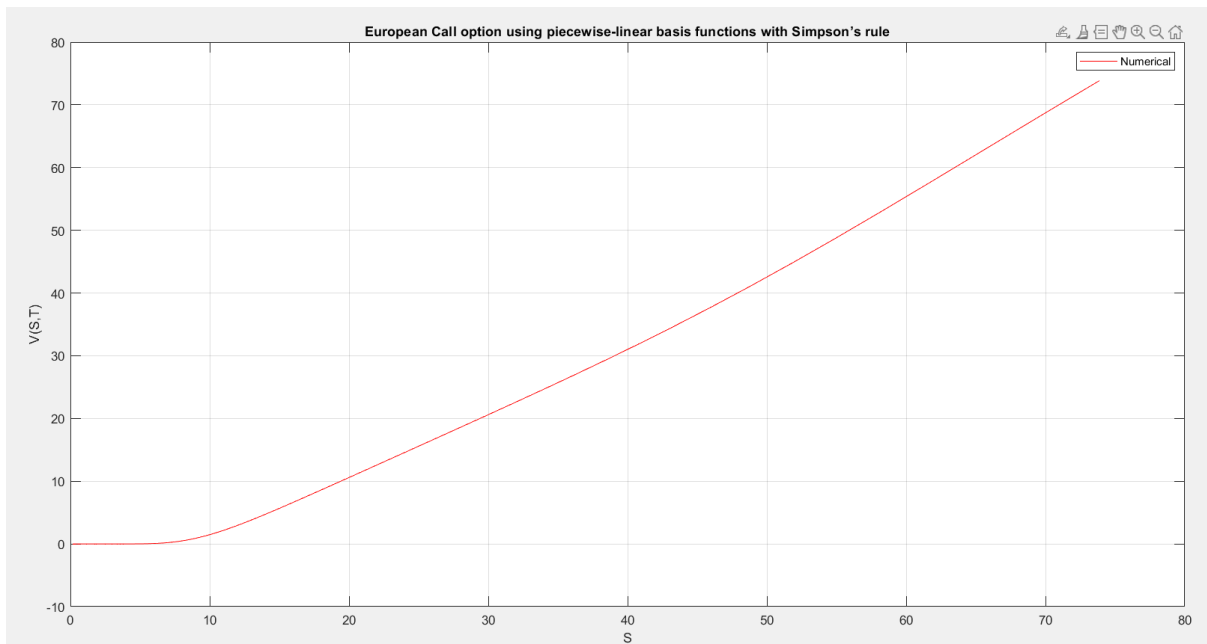
### **Question 1:**

The plot for the BVP using piecewise linear basis functions and Simpson's rule for the quadrature is:



## Question 2:

Plot of numerical solution at the final time level.



Surface Plot:

