

MA 473: Computational Finance

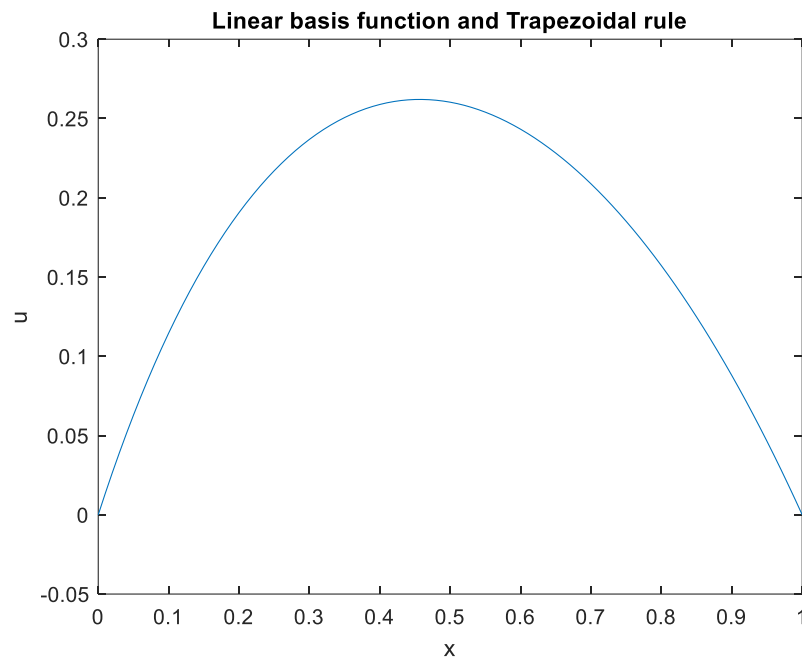
Lab – 8

Name - Vishisht Priyadarshi

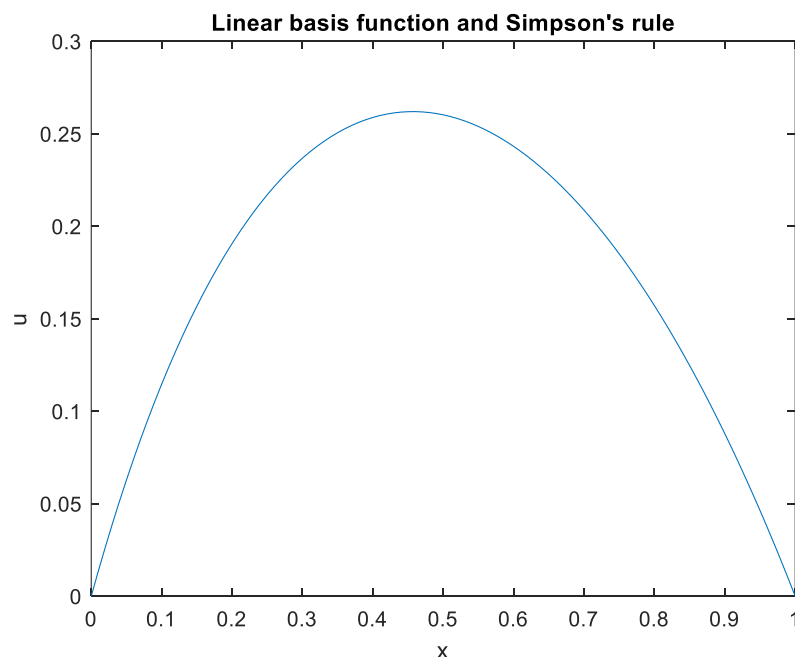
Roll No - 180123053

1 QUESTION - 1:

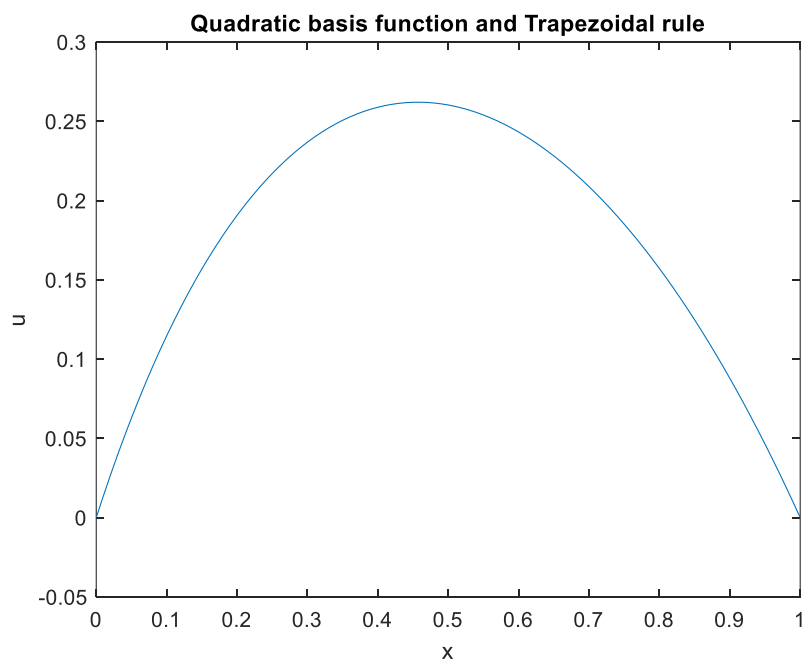
- a) The plot for the BVP using piecewise linear basis functions and trapezoidal rule for the quadrature is:



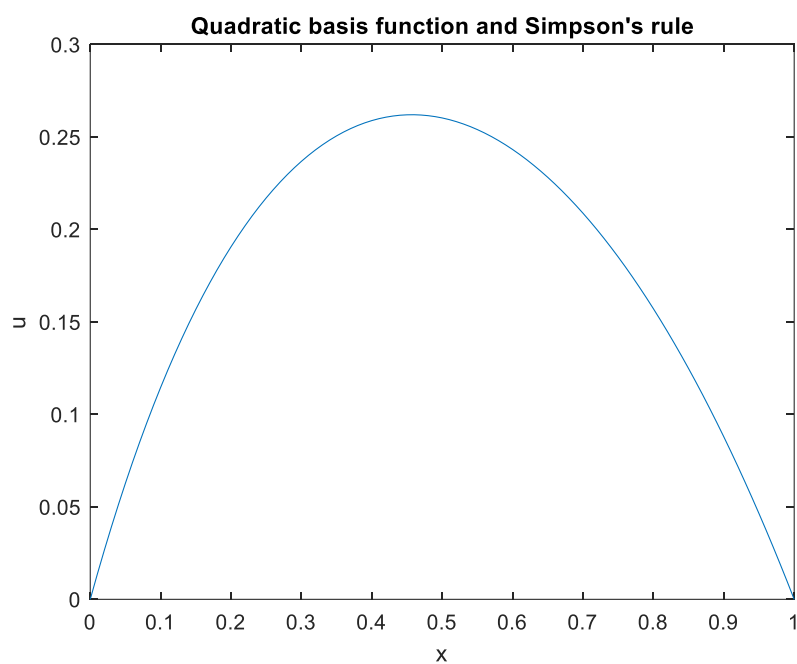
- b) The plot for the BVP using piecewise linear basis functions and Simpson's rule for the quadrature is:



- c)** The plot for the BVP using piecewise quadratic basis functions and trapezoidal rule for the quadrature is:

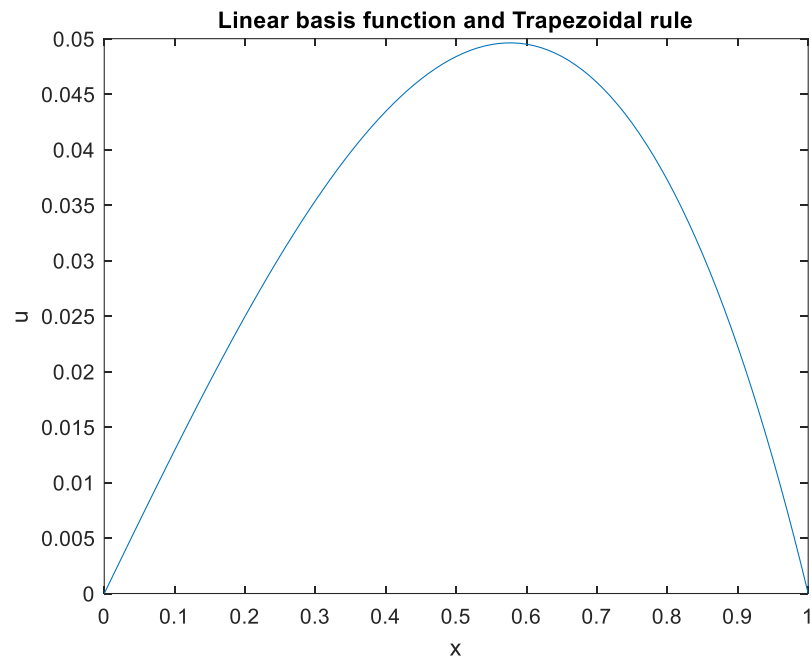


- d)** The plot for the BVP using piecewise quadratic basis functions and Simpson's rule for the quadrature is:

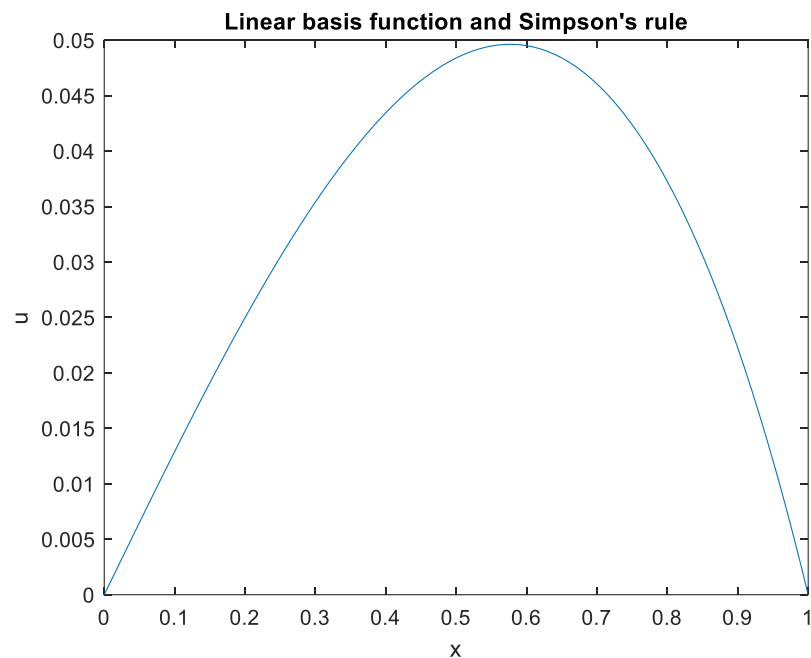


2 QUESTION - 2:

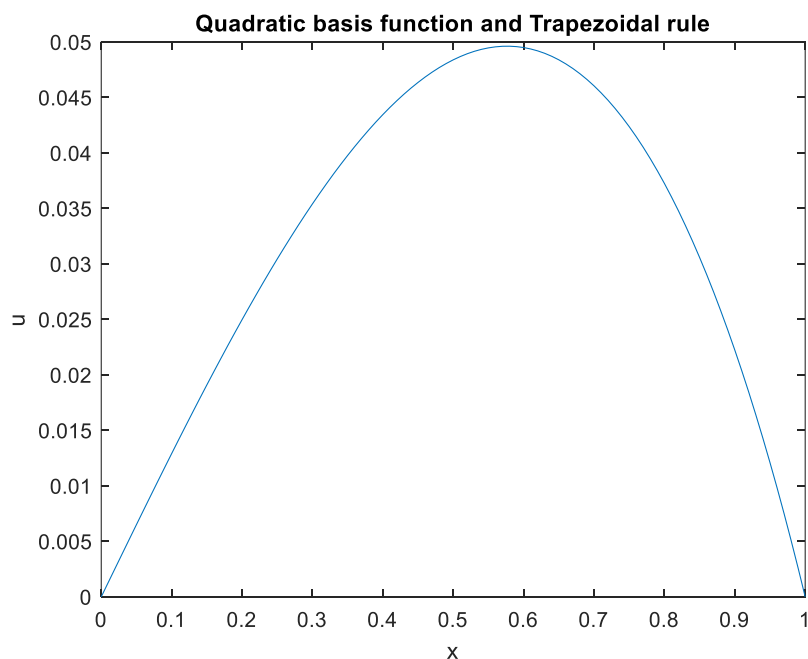
- a) The plot for the BVP using piecewise linear basis functions and trapezoidal rule for the quadrature is:



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



- c) The plot for the BVP using piecewise quadratic basis functions and trapezoidal rule for the quadrature is:



- d) The plot for the BVP using piecewise quadratic basis functions and Simpson's rule for the quadrature is:

