

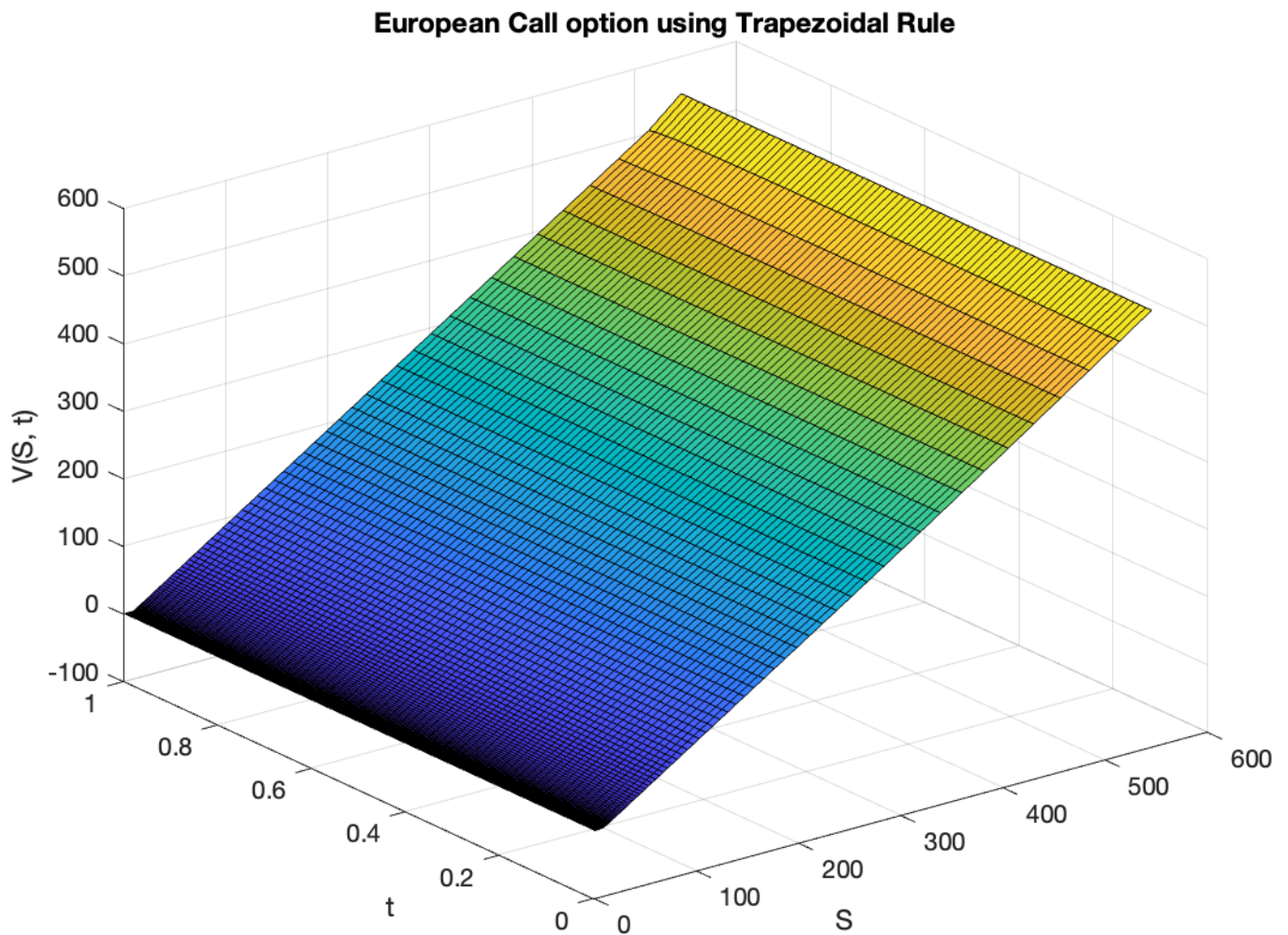
Lab – 08

Dipanshu Goyal

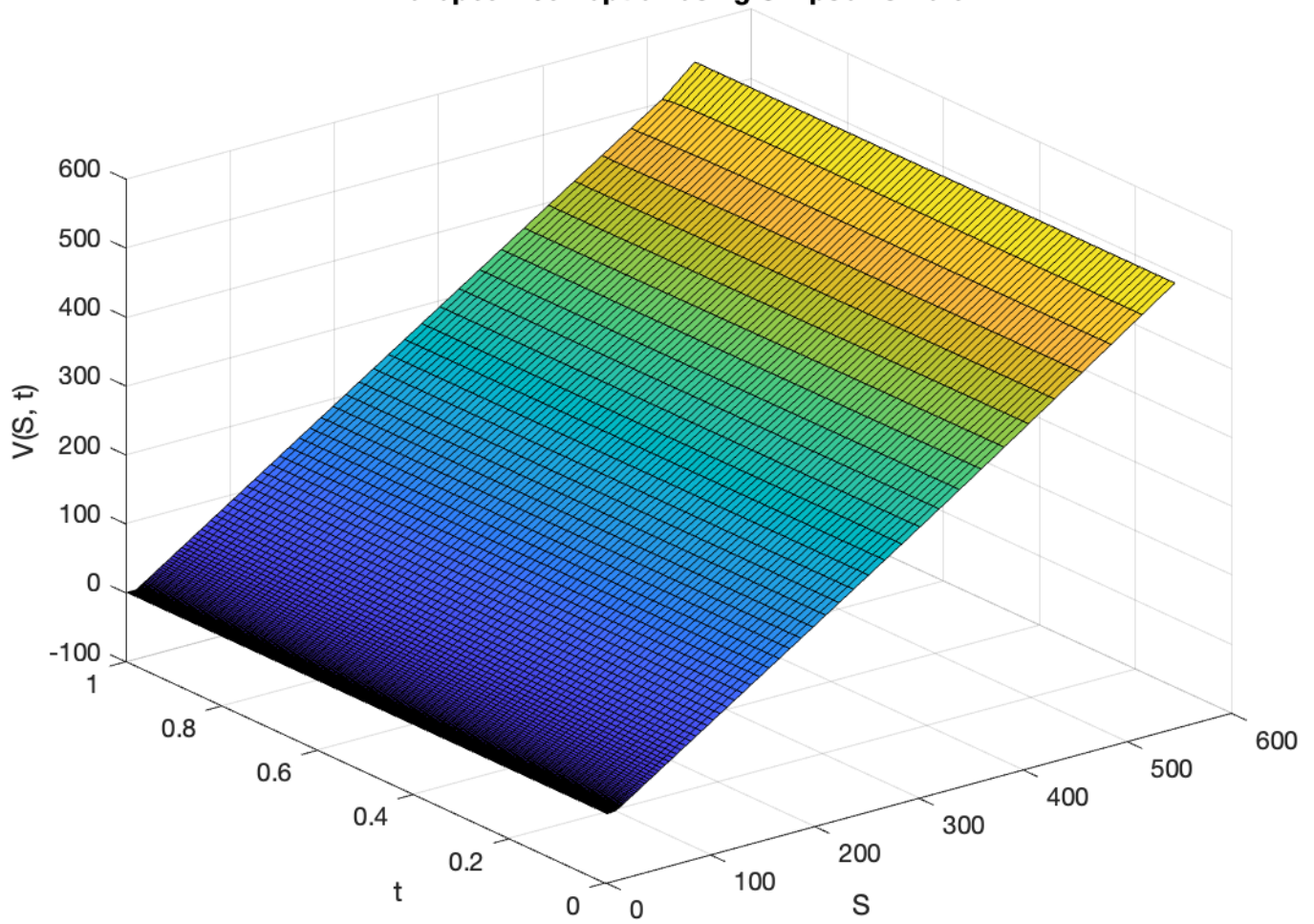
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Question – 1

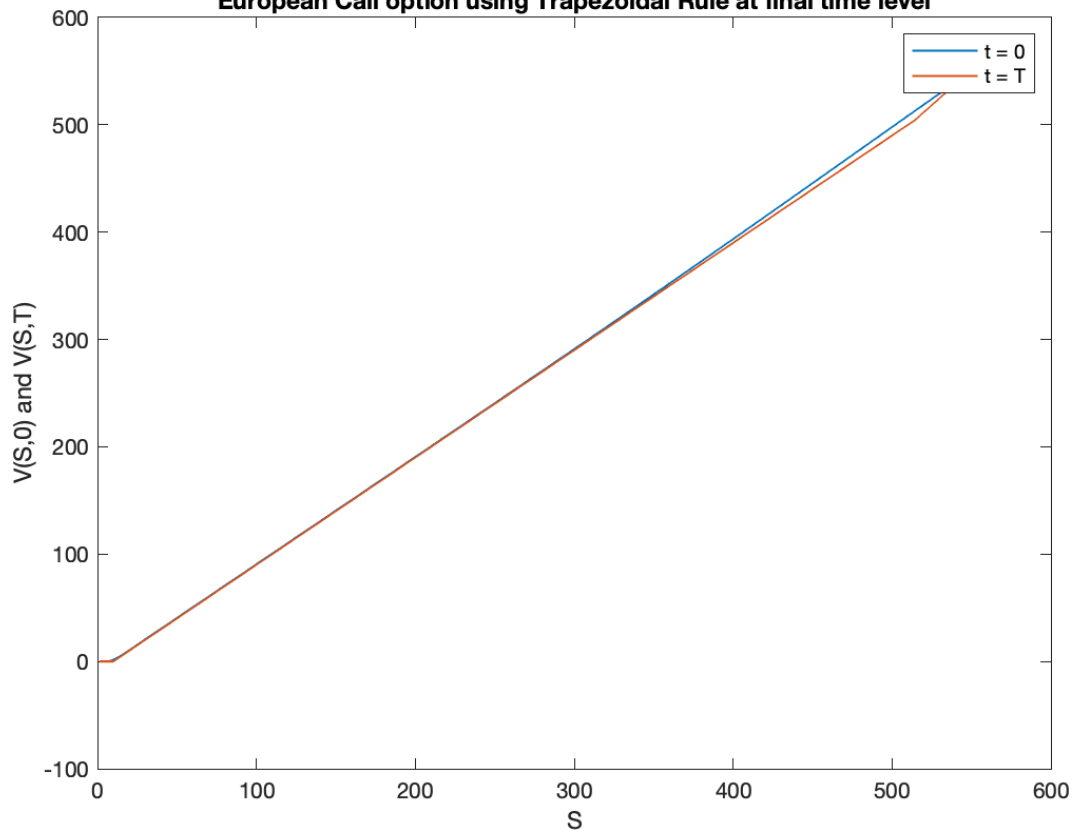
The surface plot and final time plots for trapezoidal and simpson's quadrature are given below :-

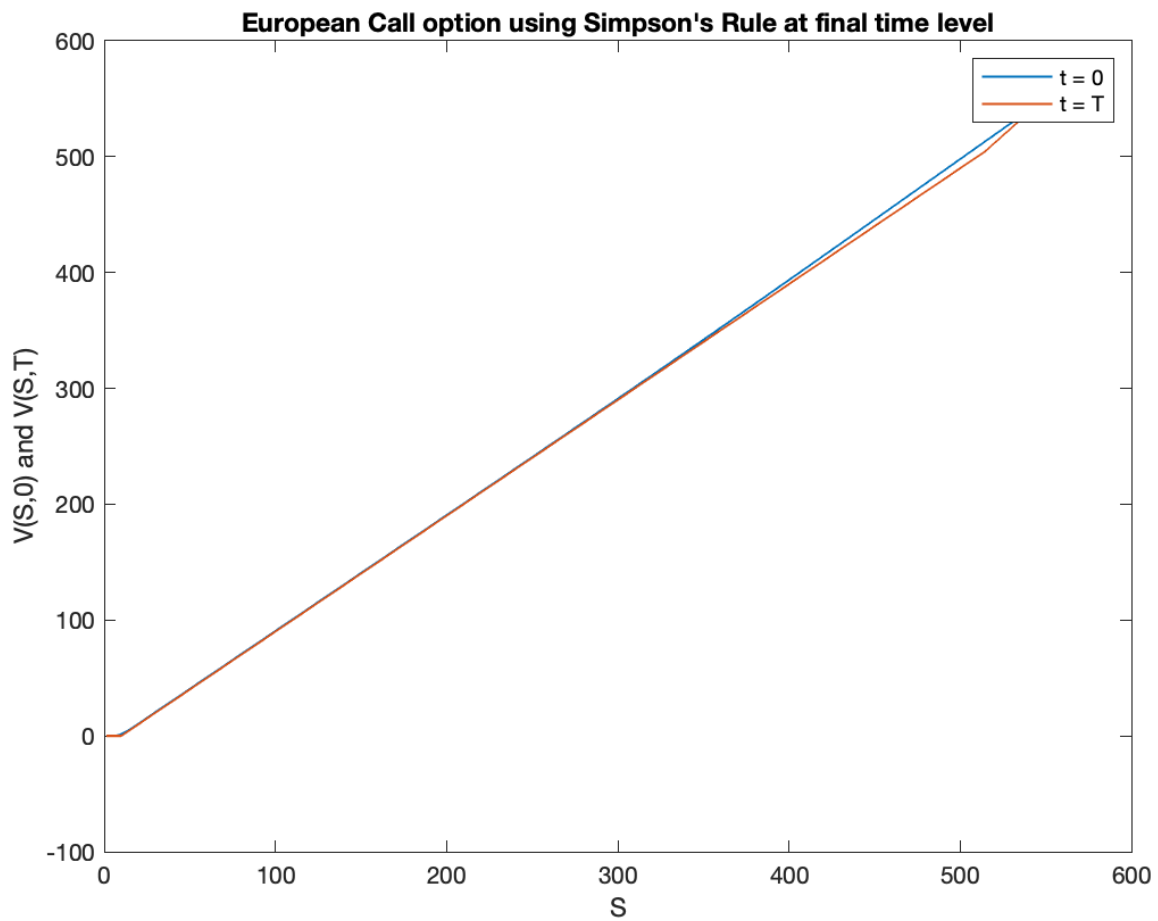


European Call option using Simpson's Rule



European Call option using Trapezoidal Rule at final time level





By using the Double-meshing technique, the L2 norm errors are calculated and order of convergence plot thus formed are shown below for both the methods :-

