

Assignment-3

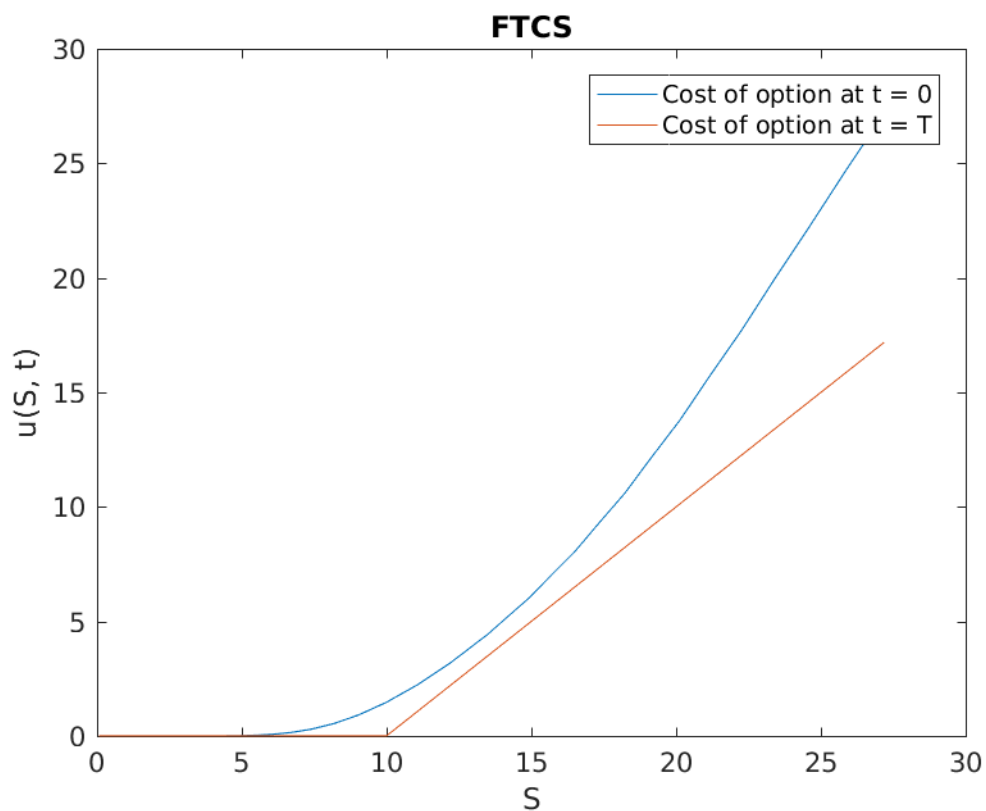
Abheek Ghosh

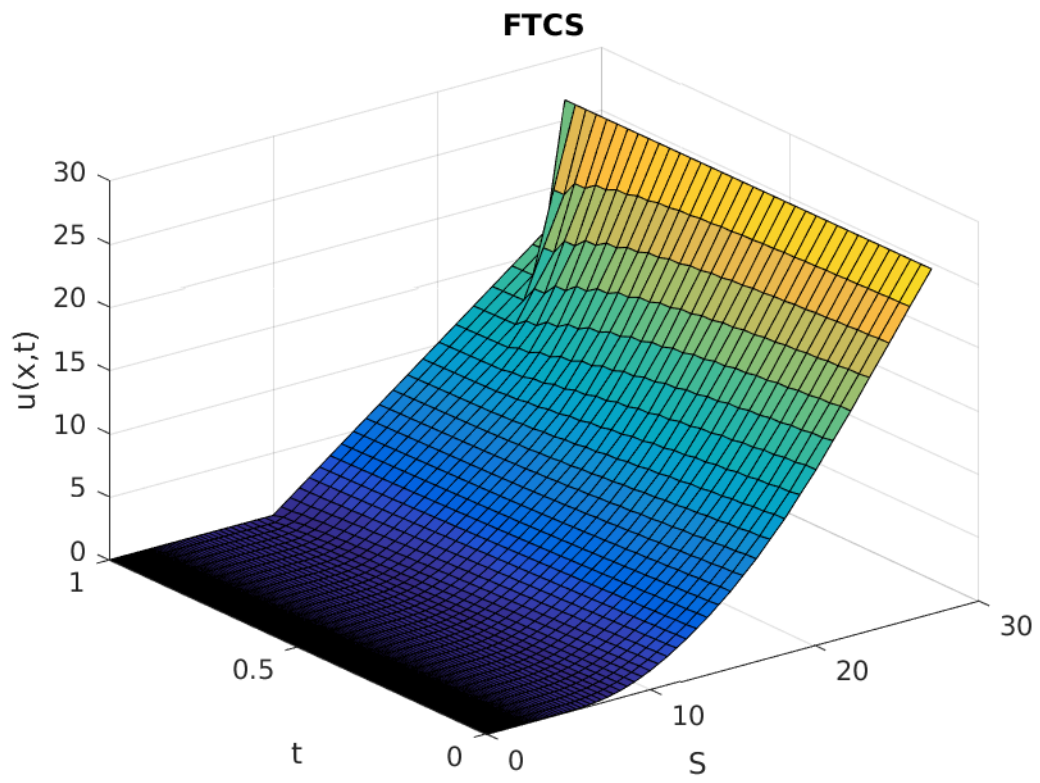
140123047

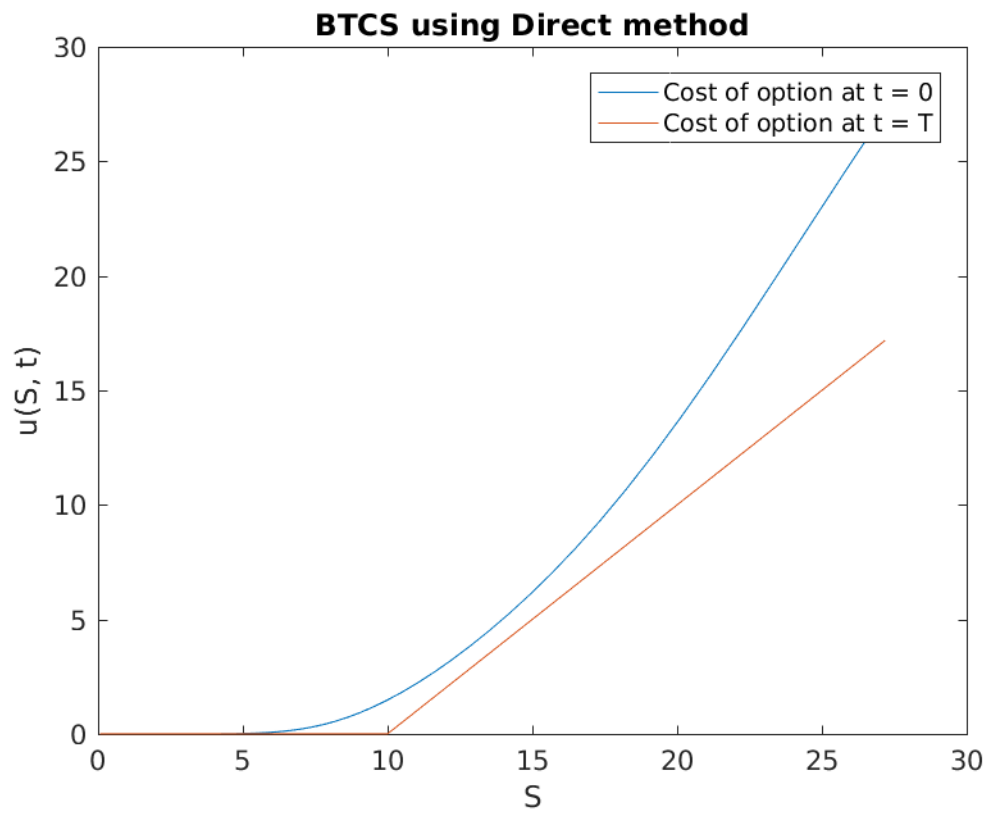
March 14, 2018

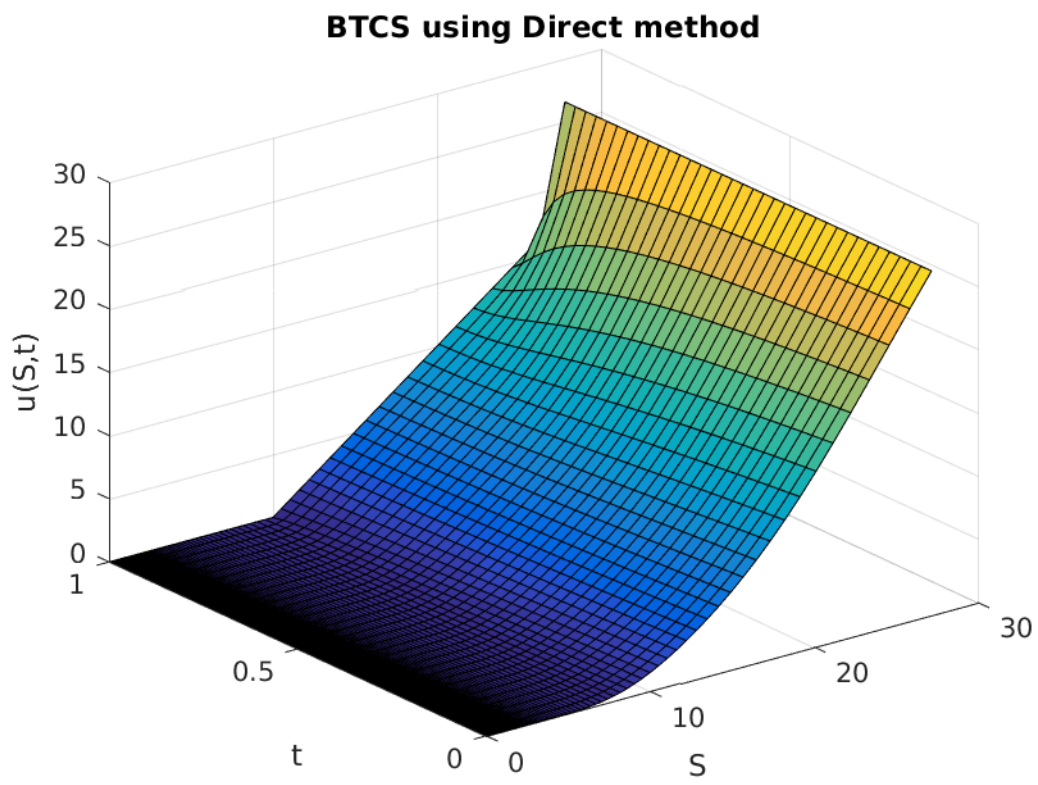
For extreme values of S (or x) the error in the plots is mainly due to the error in computing the boundary condition because we don't have $x = \infty$ and $-\infty$ as required. Our x has a small range -5 to 1 .

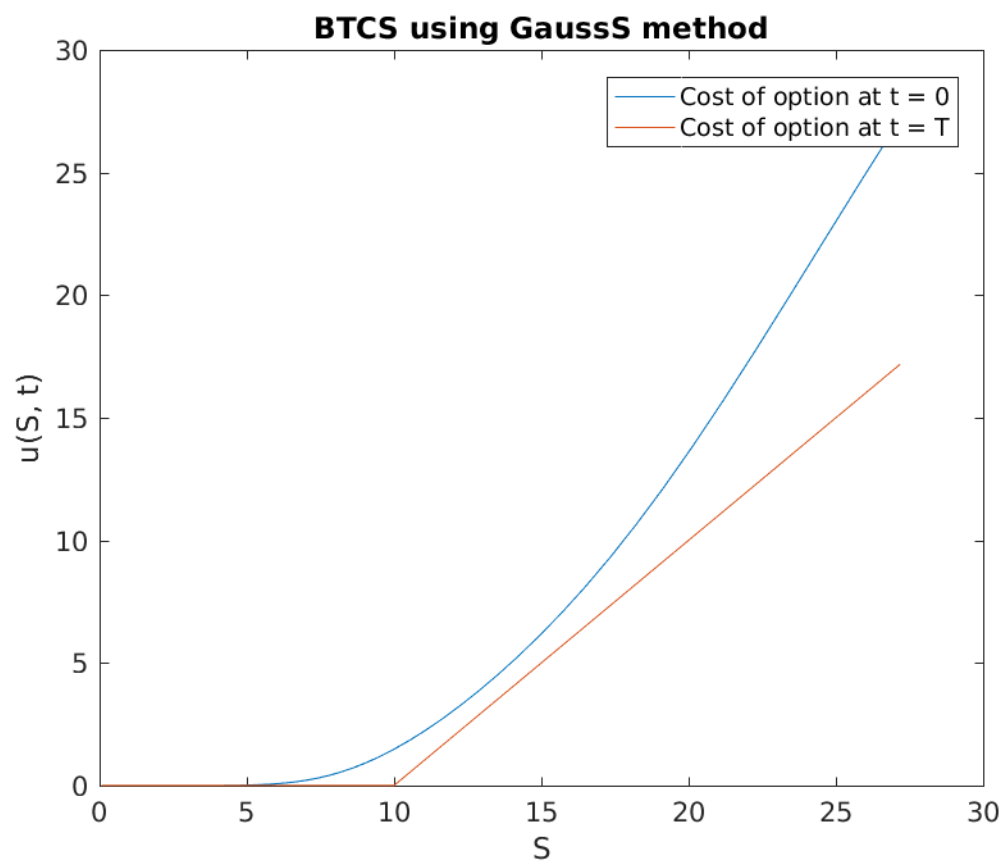
Question 1

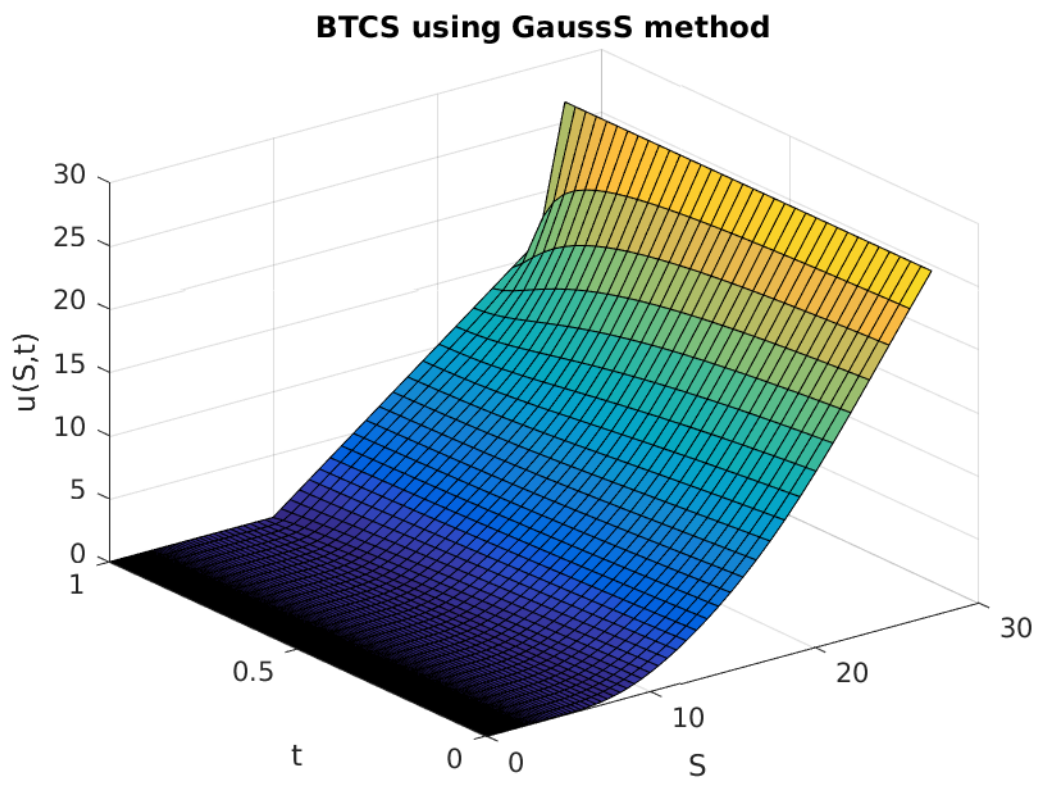


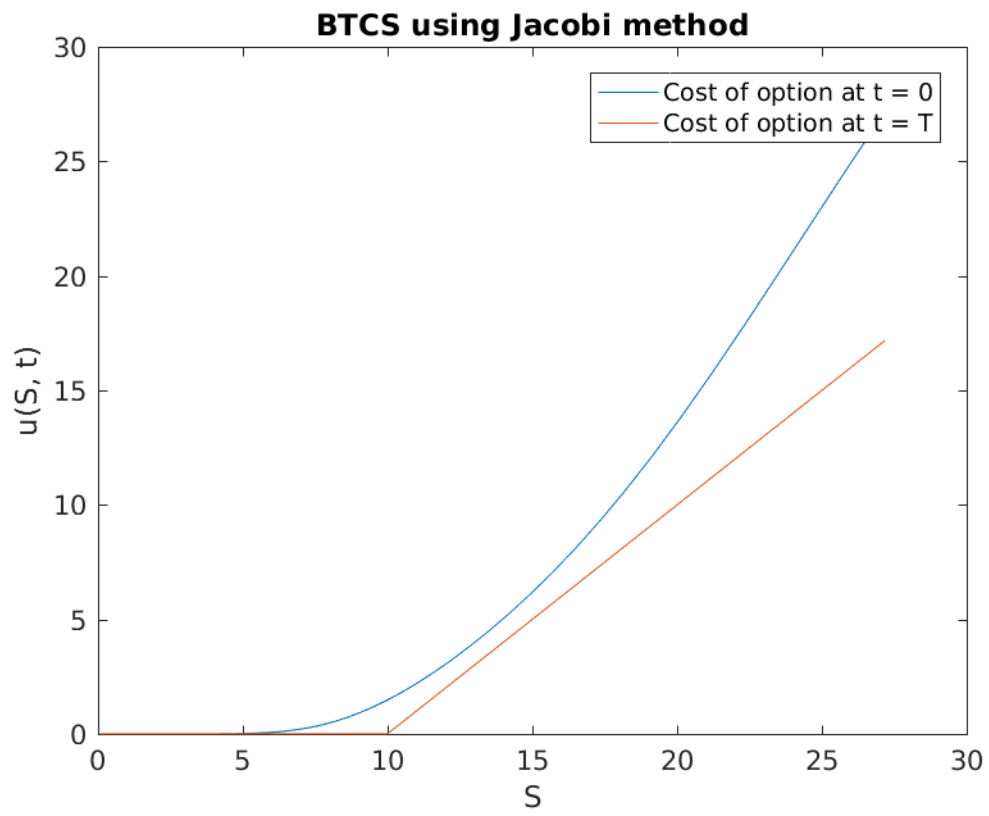


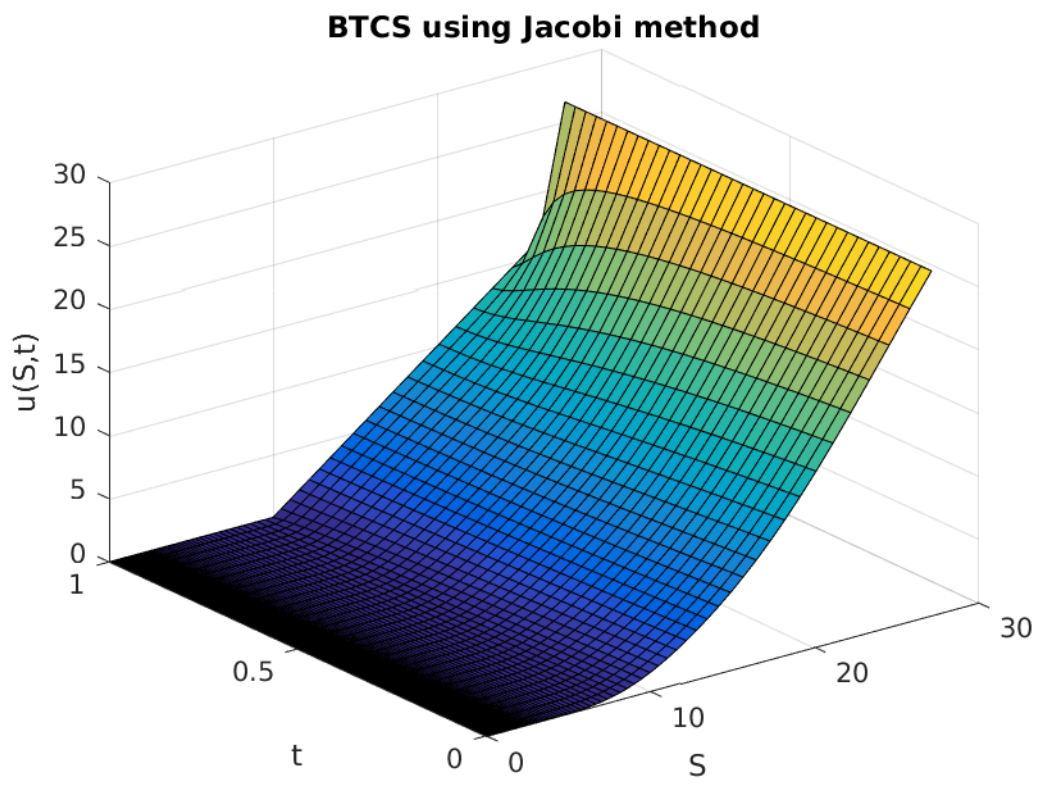


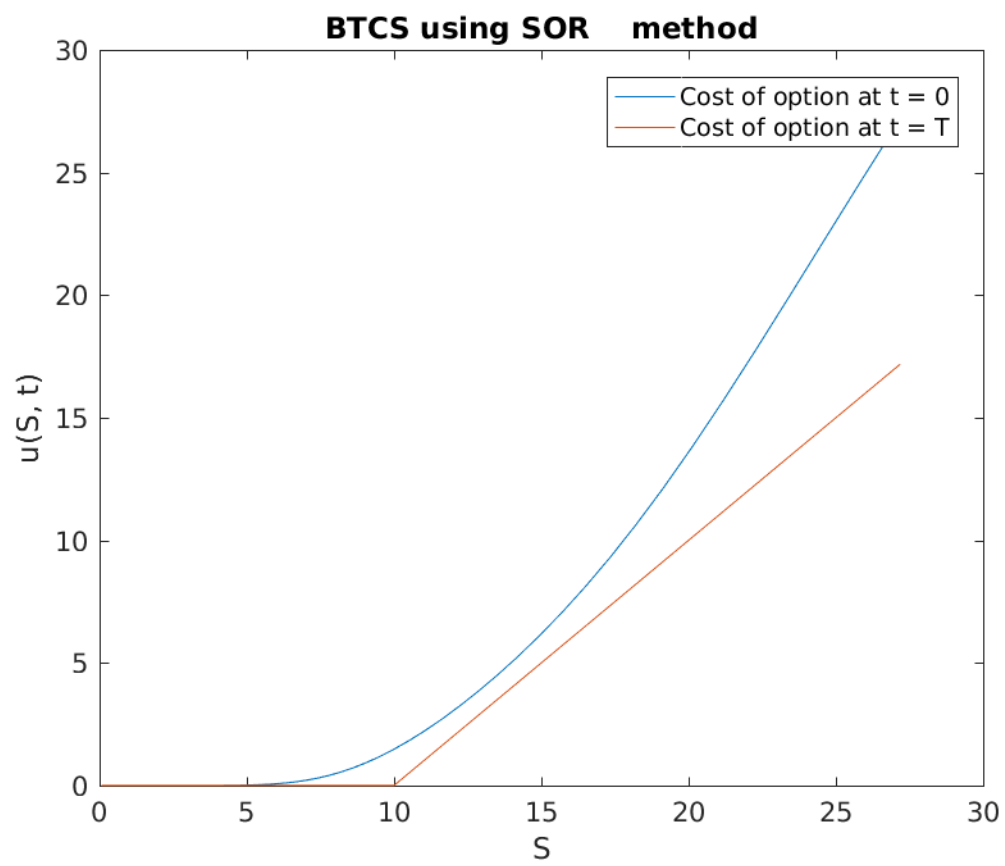


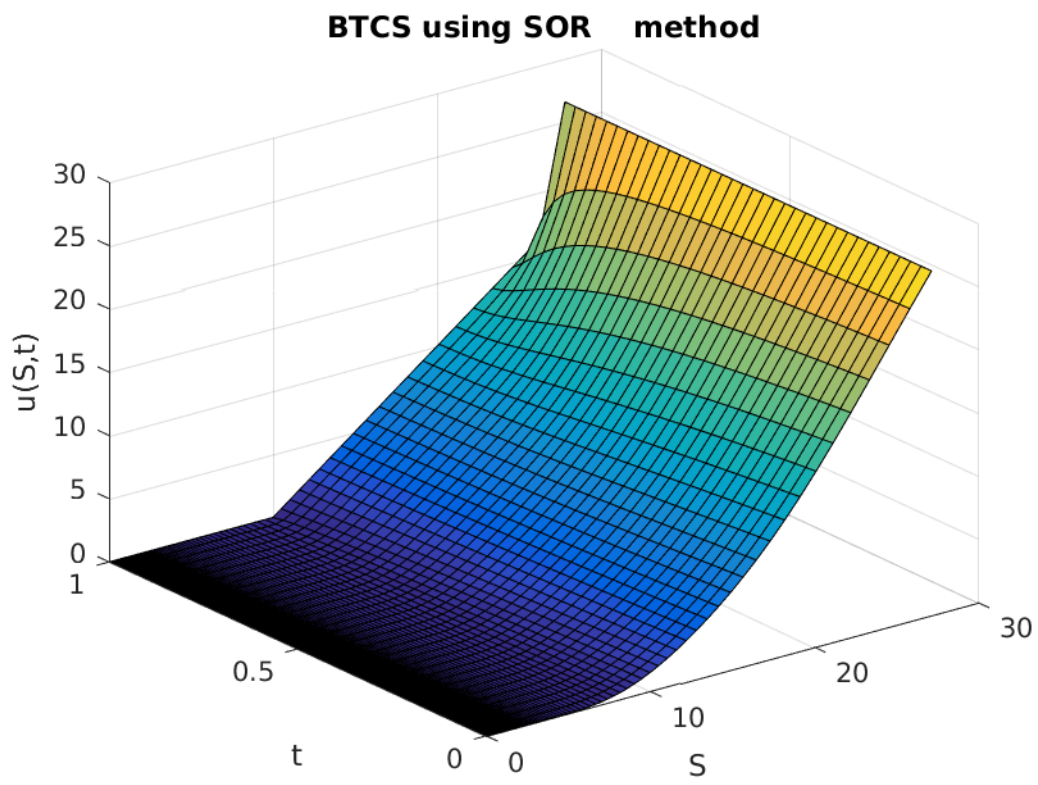


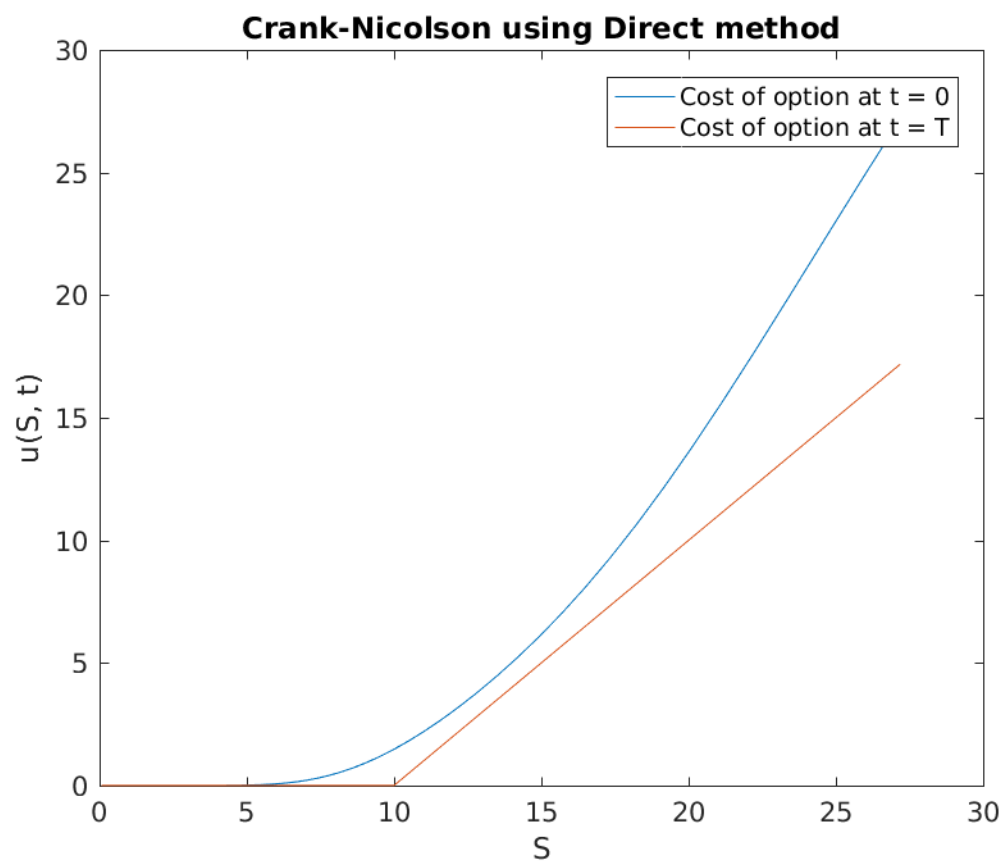


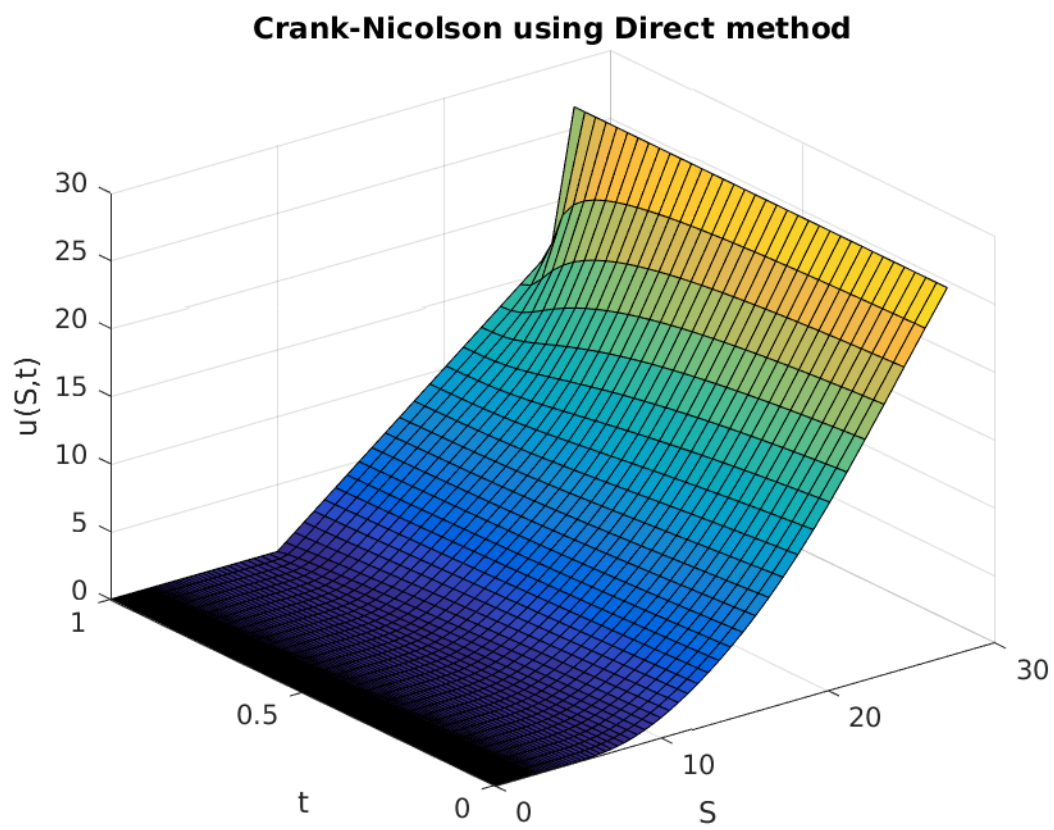


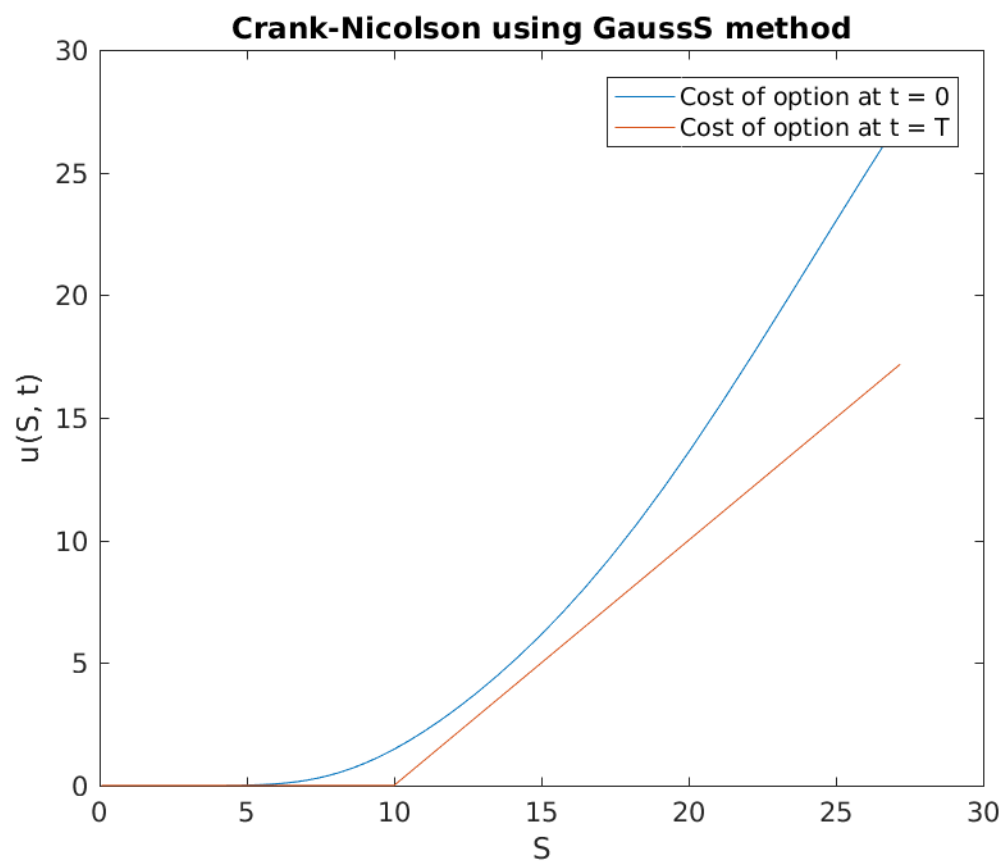


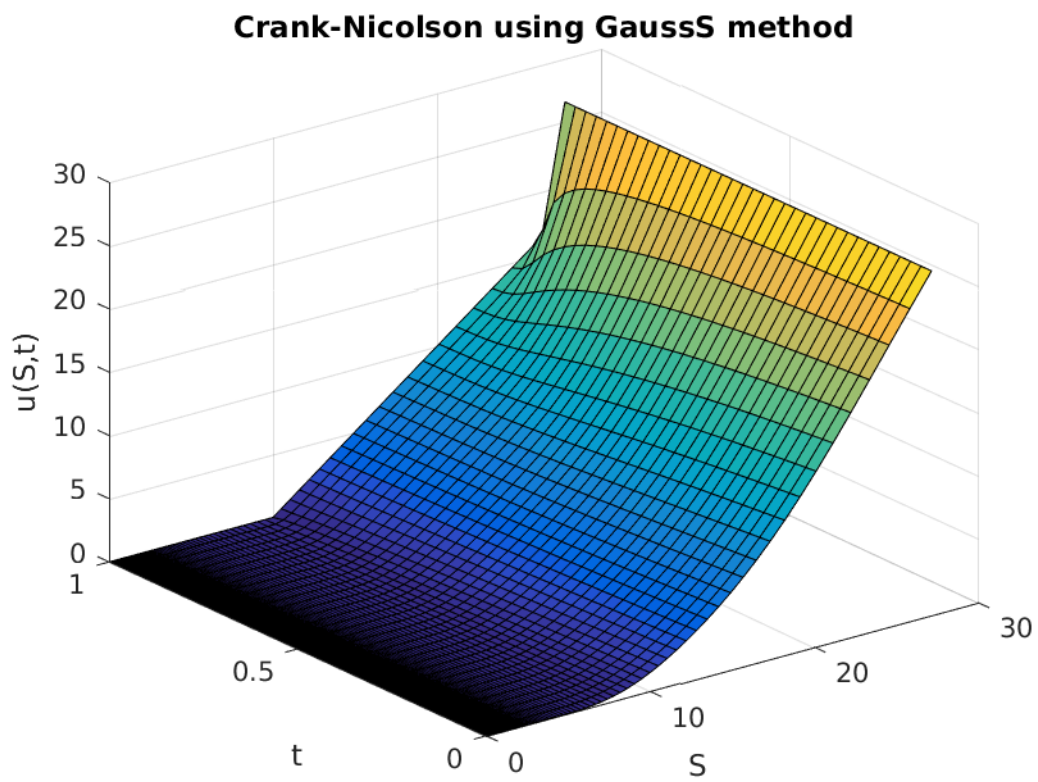


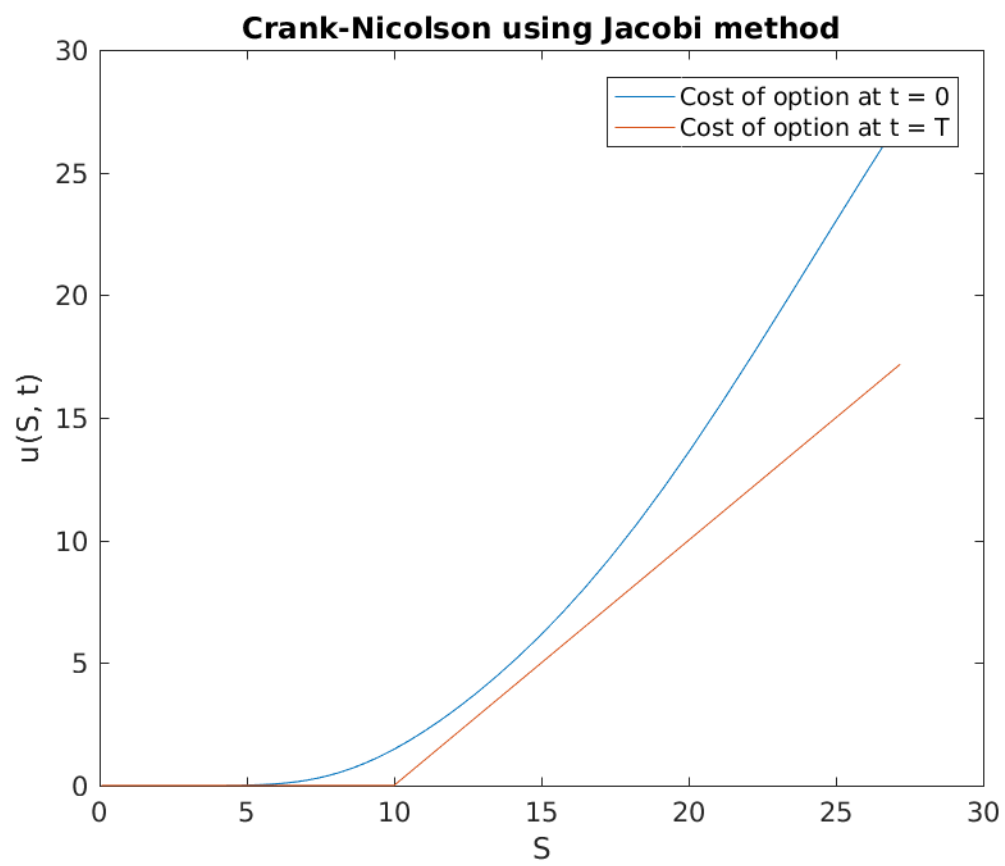


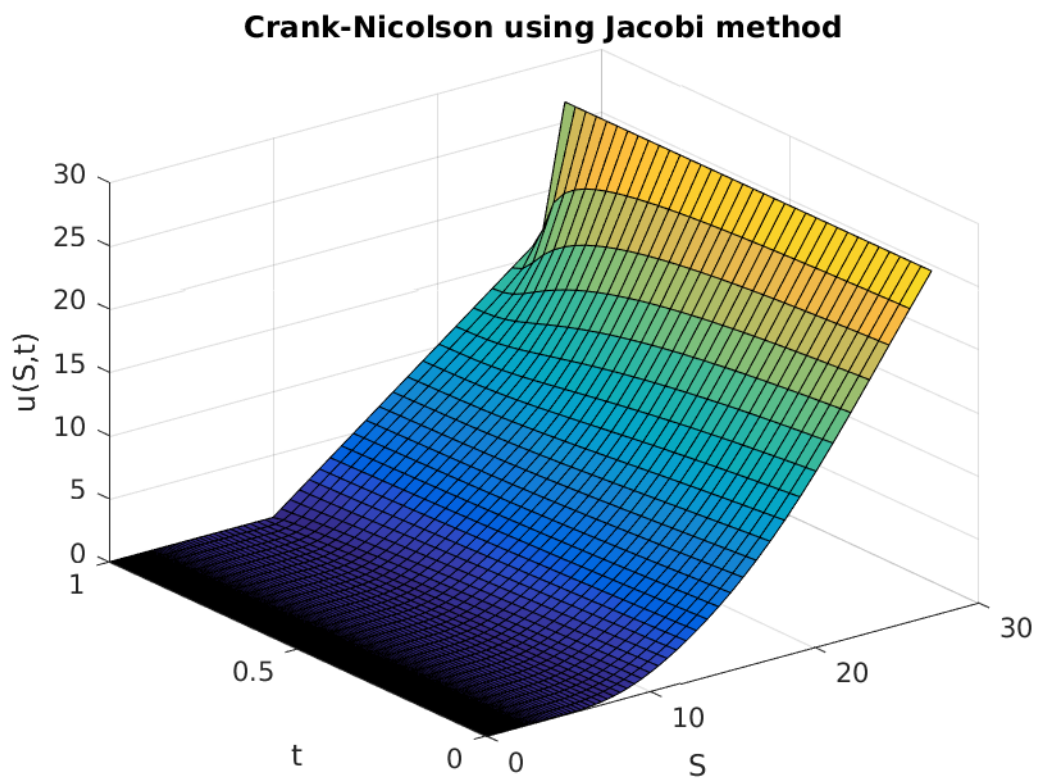


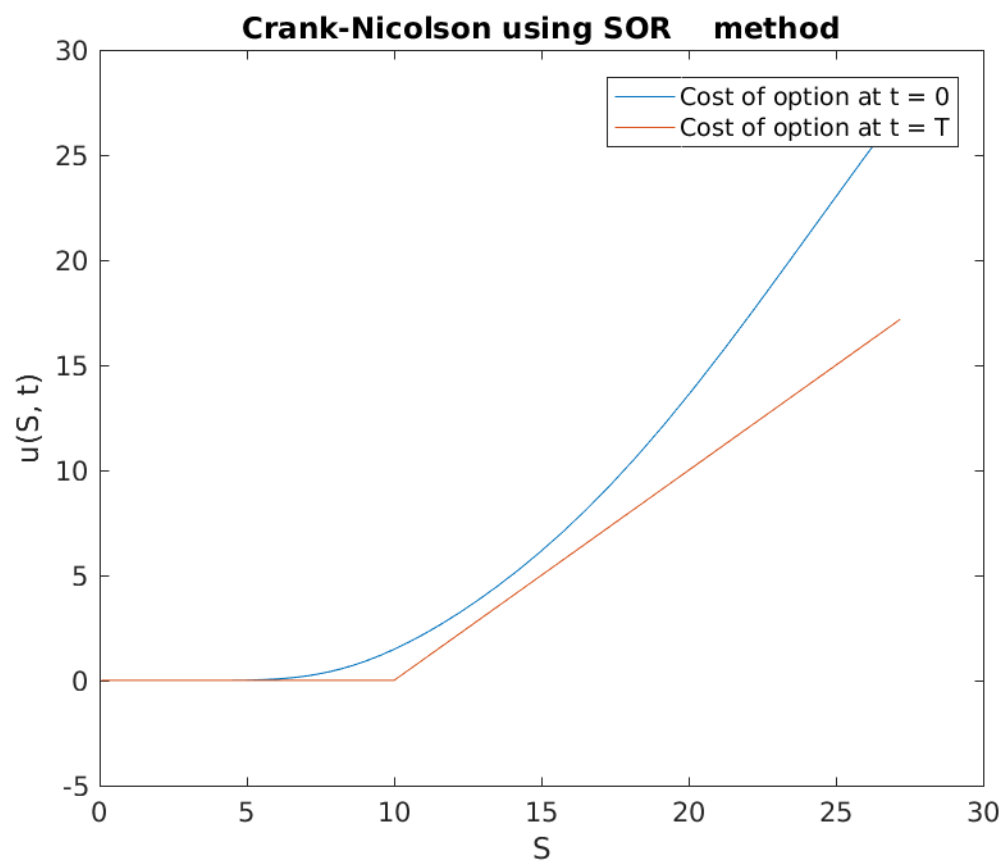


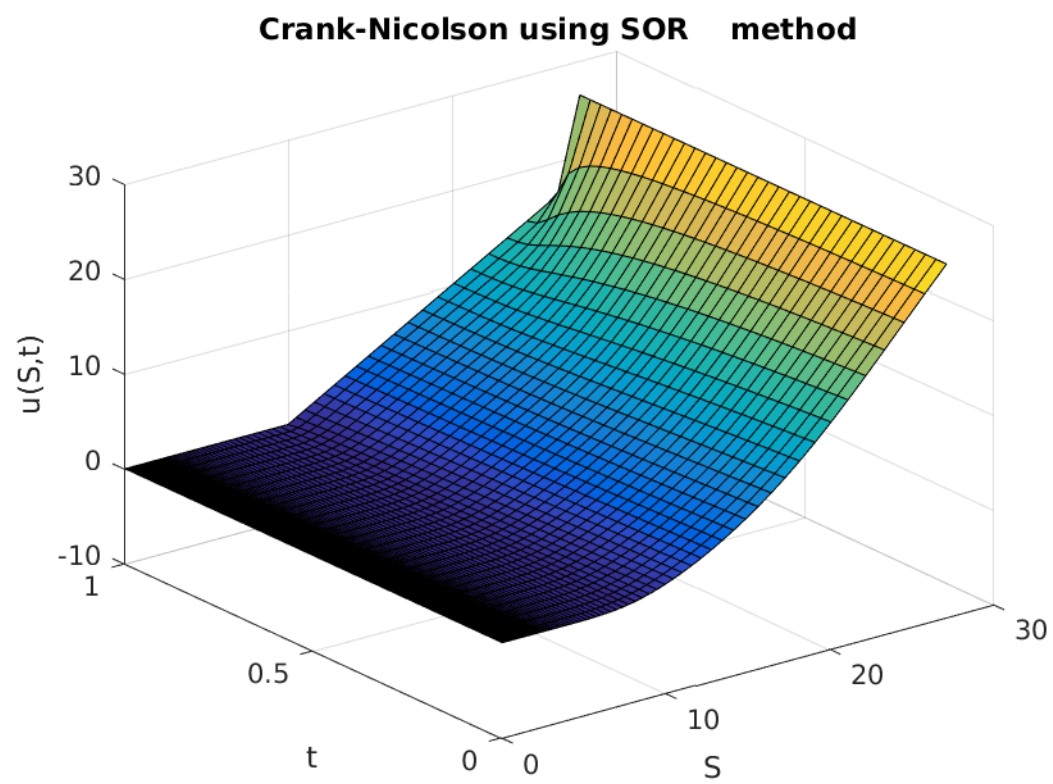












Question 2

