

Assignment-2

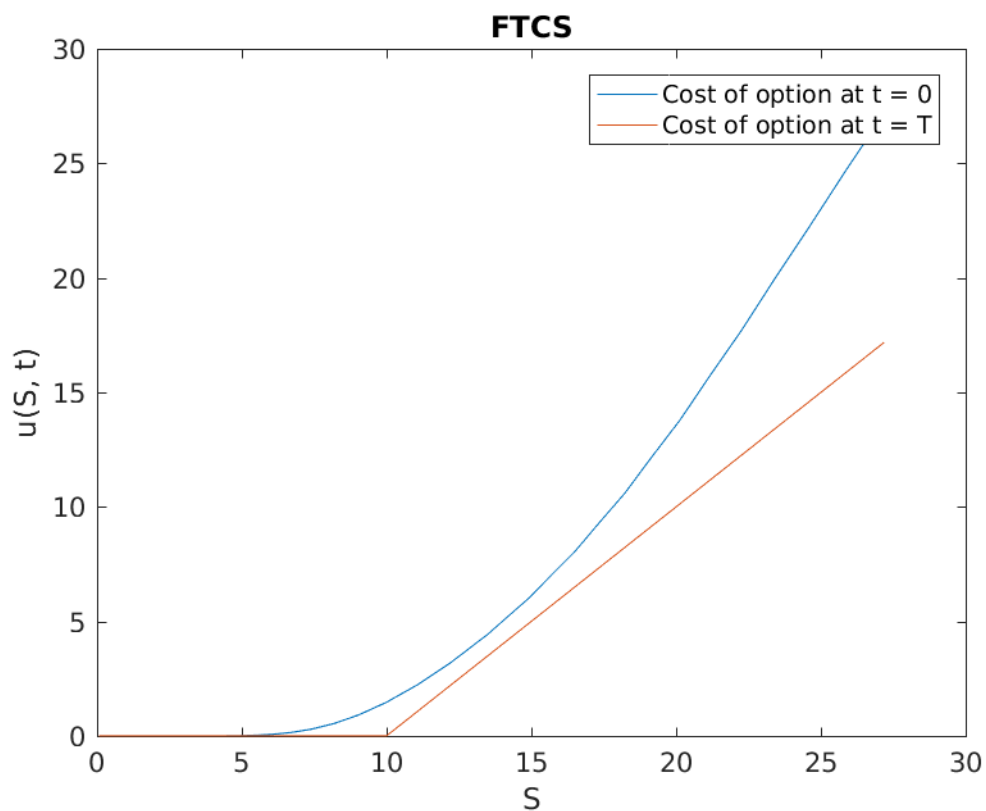
Abheek Ghosh

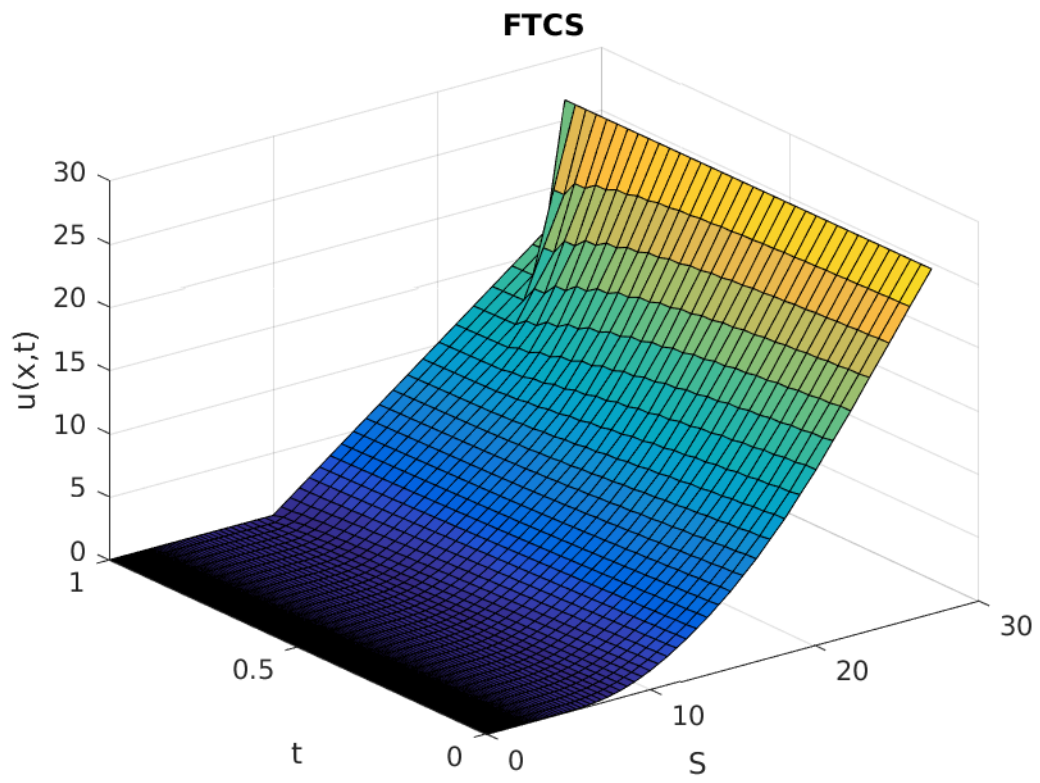
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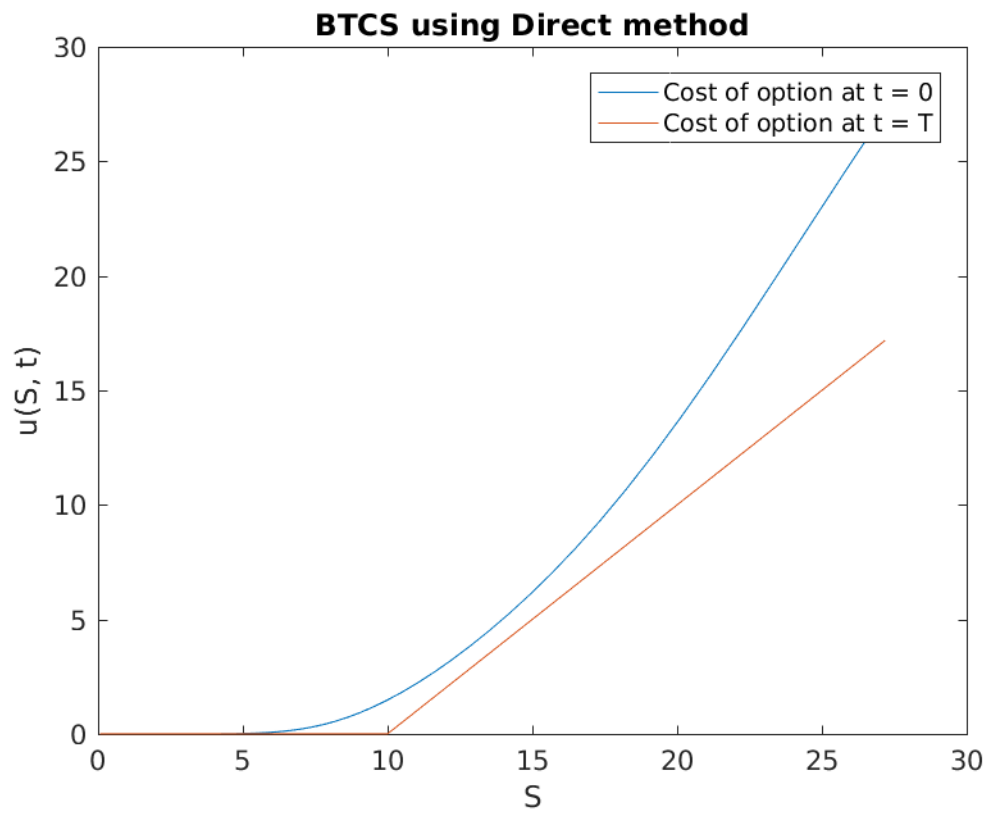
March 14, 2018

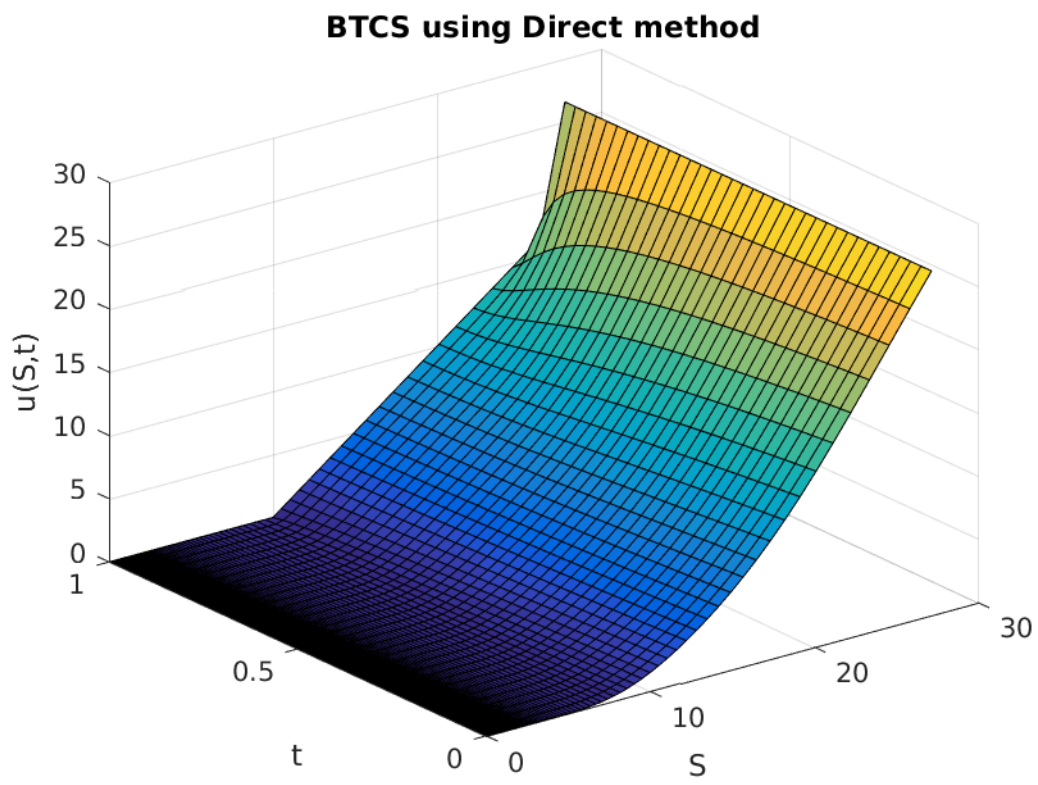
For extreme values of S (or x) the error in the plots is mainly due to the error in computing the boundary condition because we don't have $x = \infty$ and $-\infty$ as required.

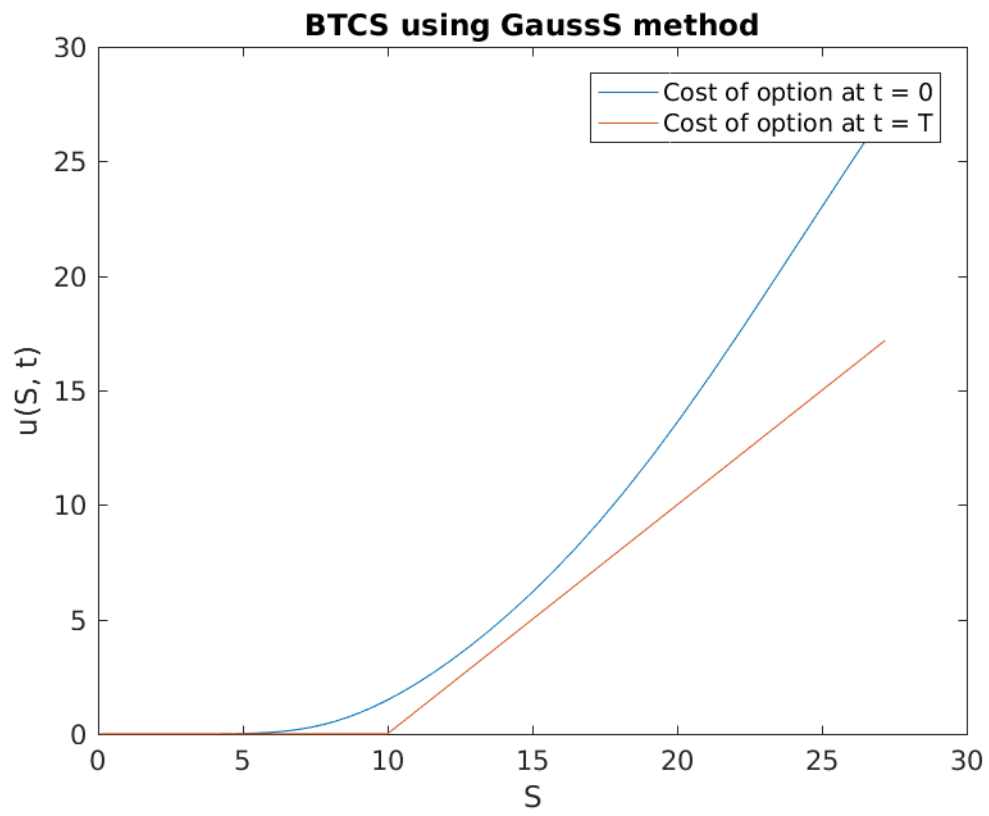
Question 1

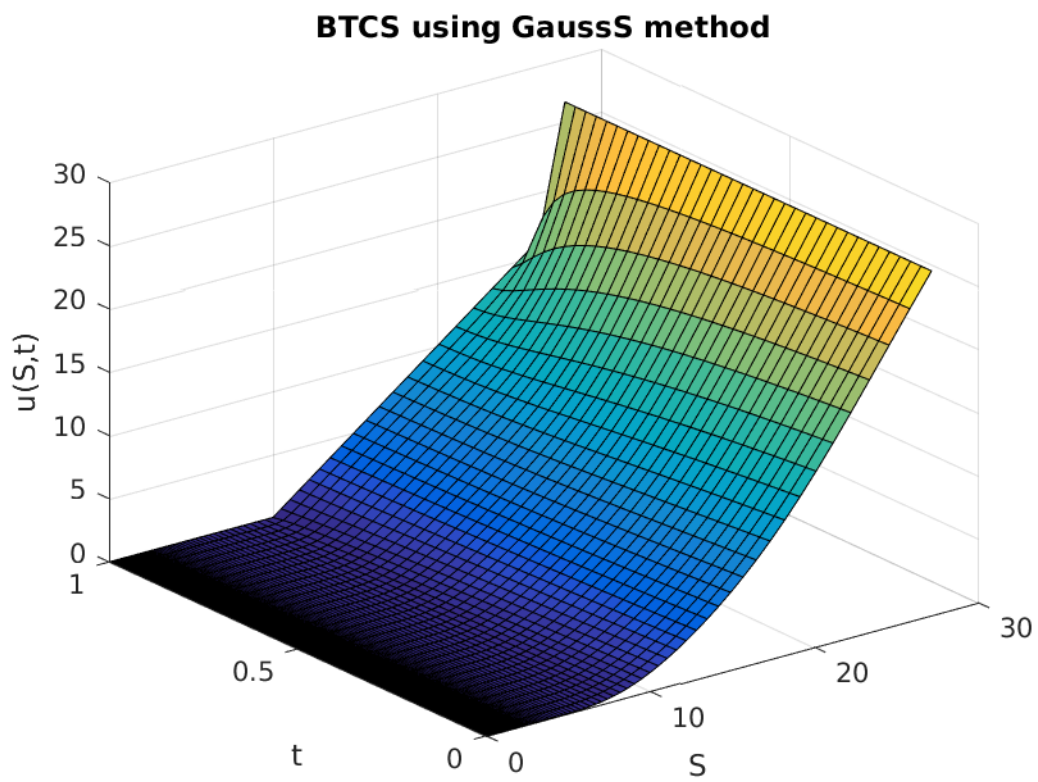


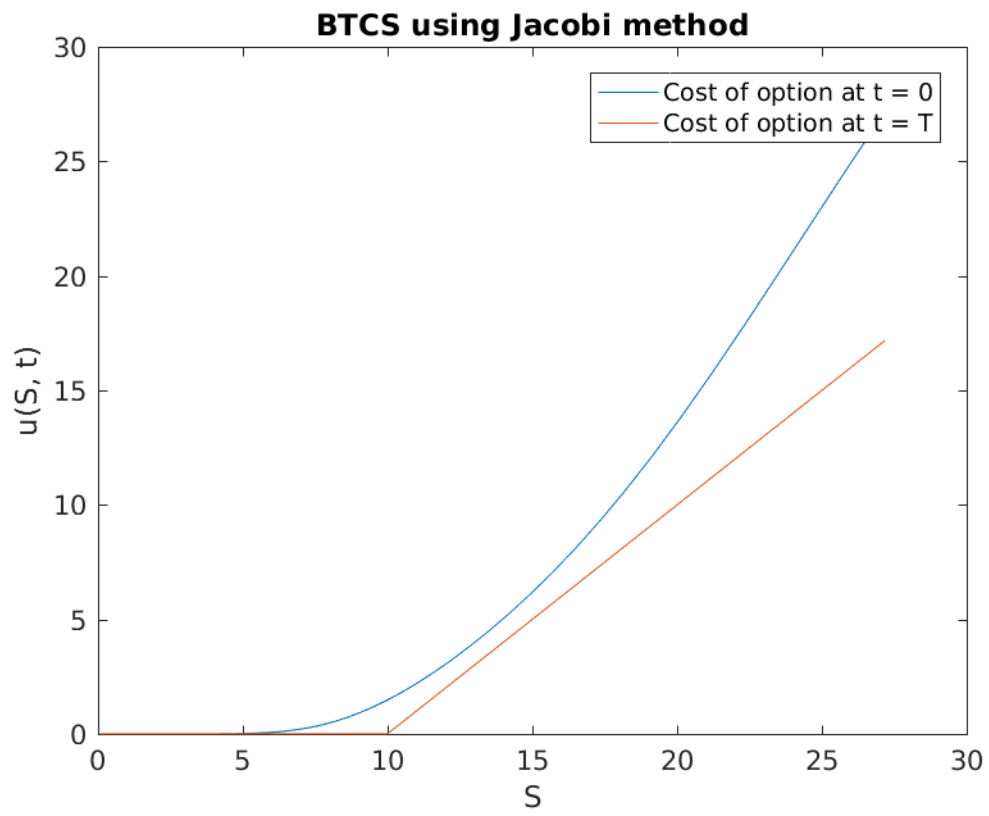


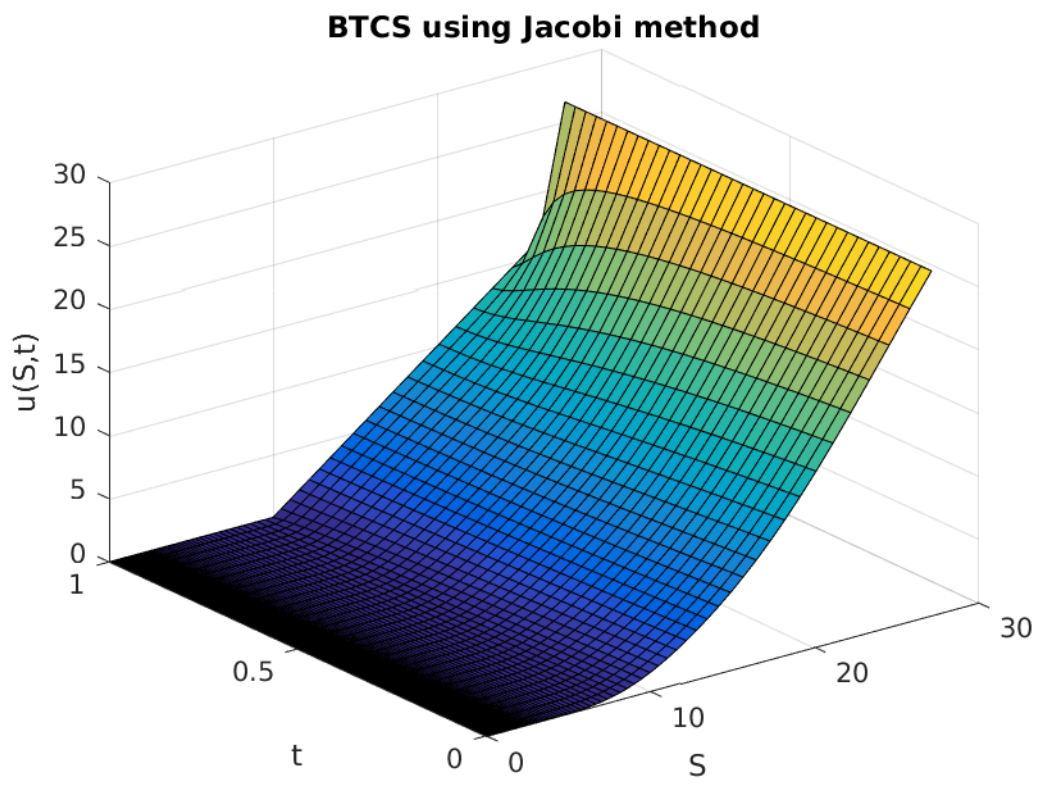


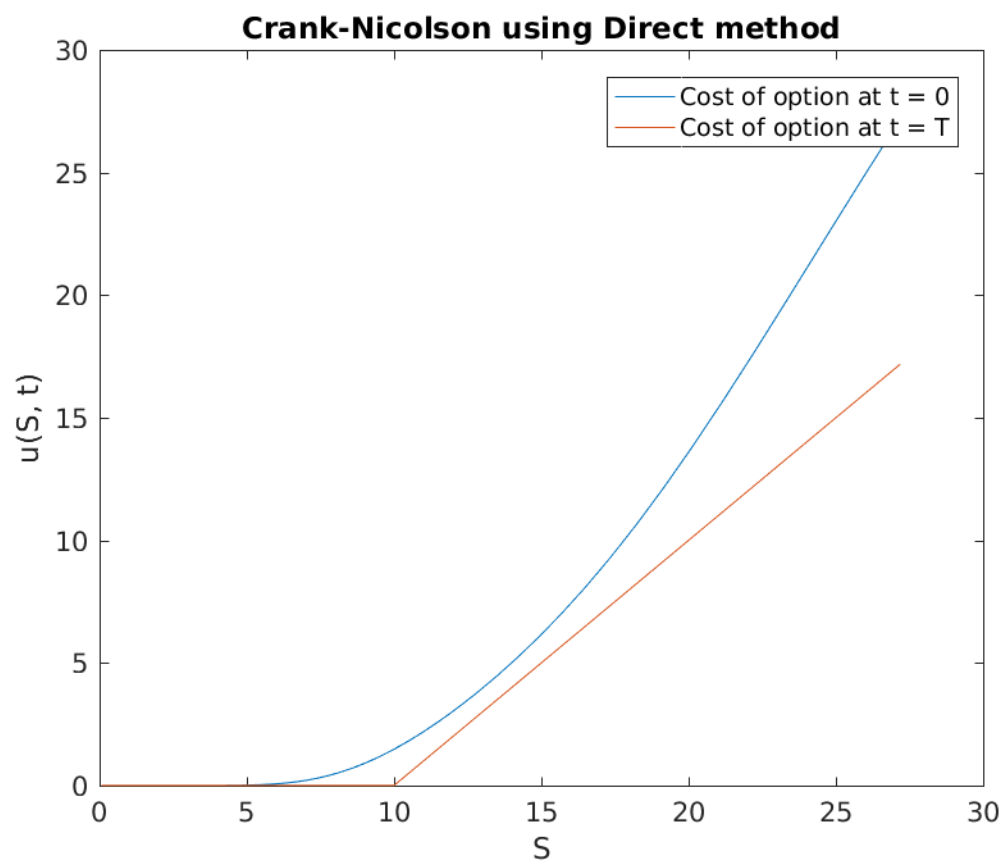


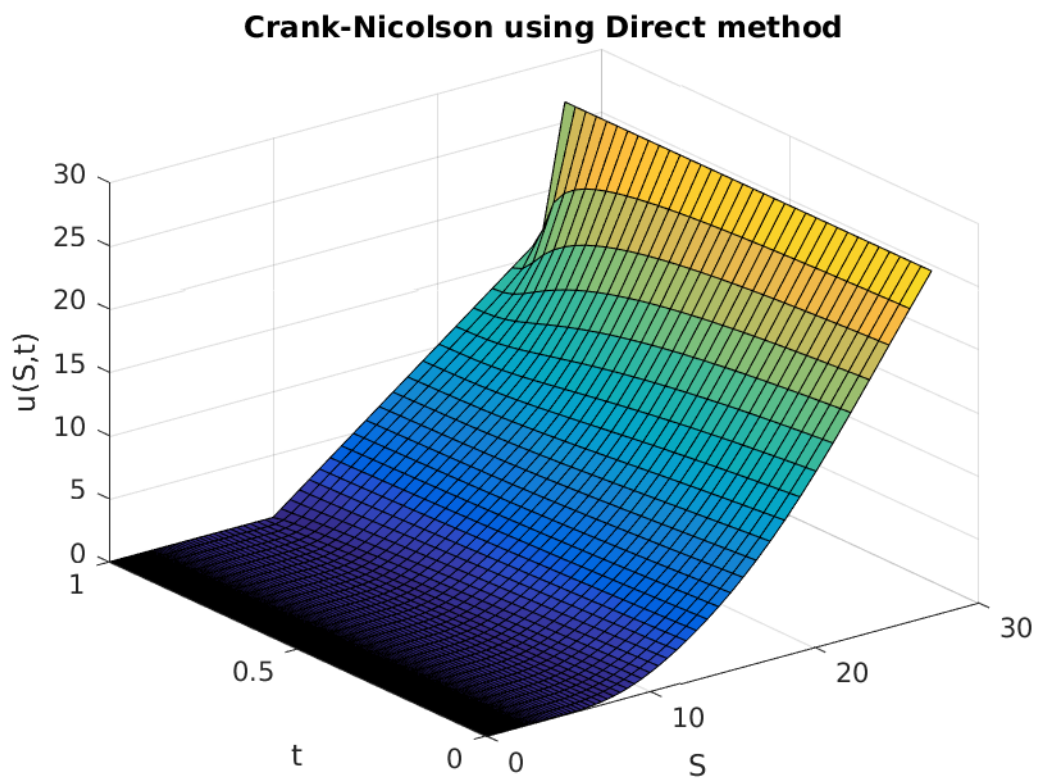


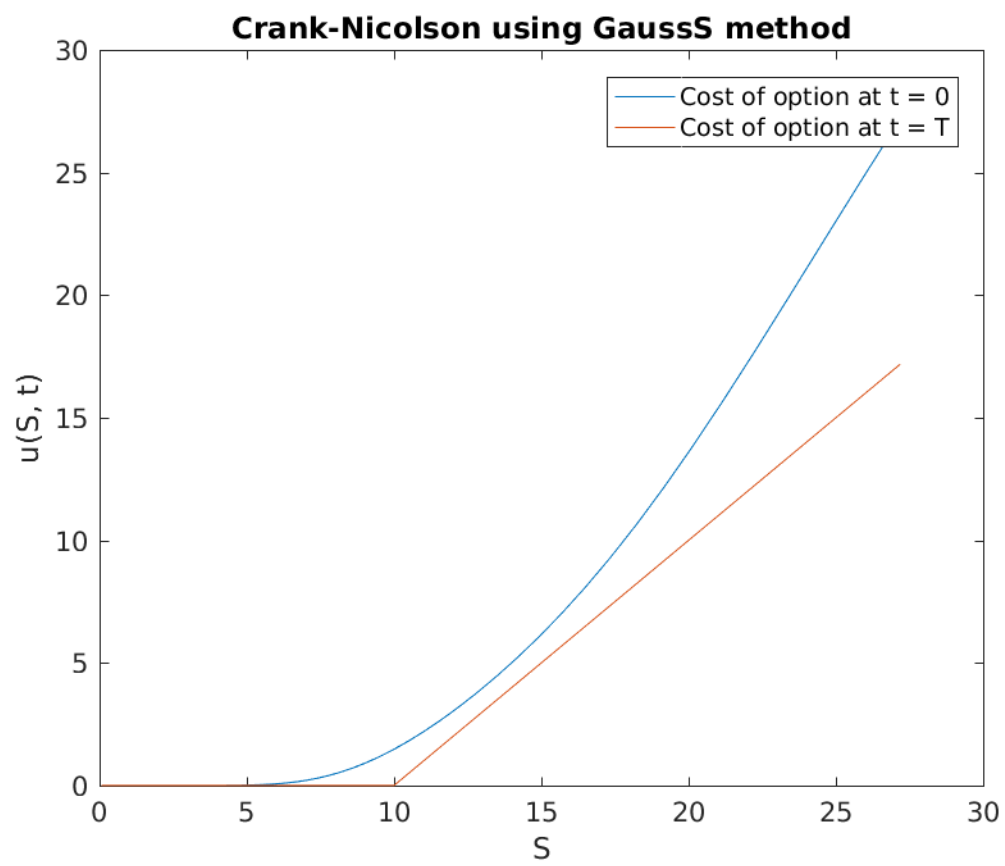


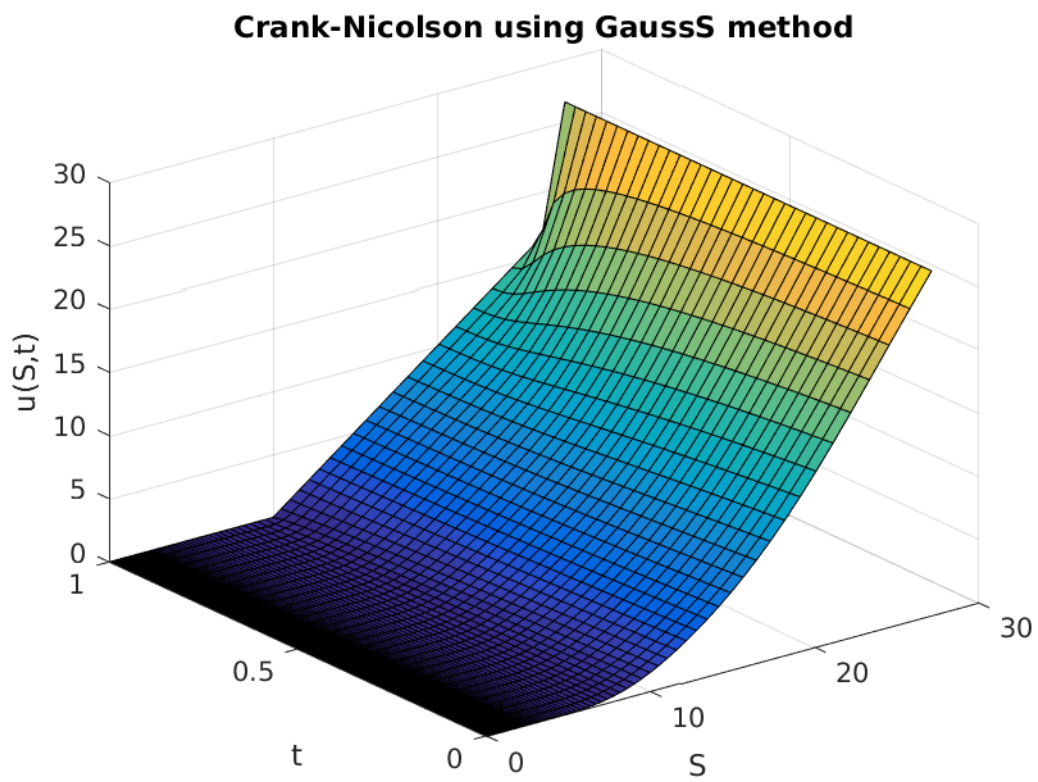


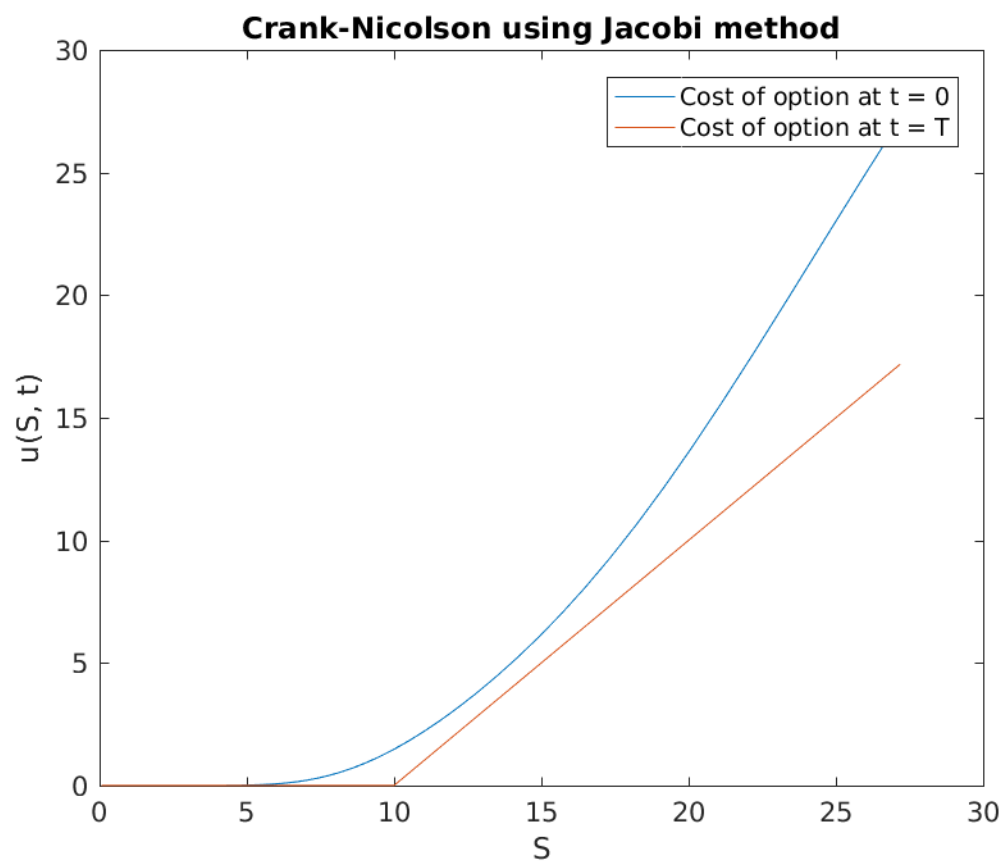


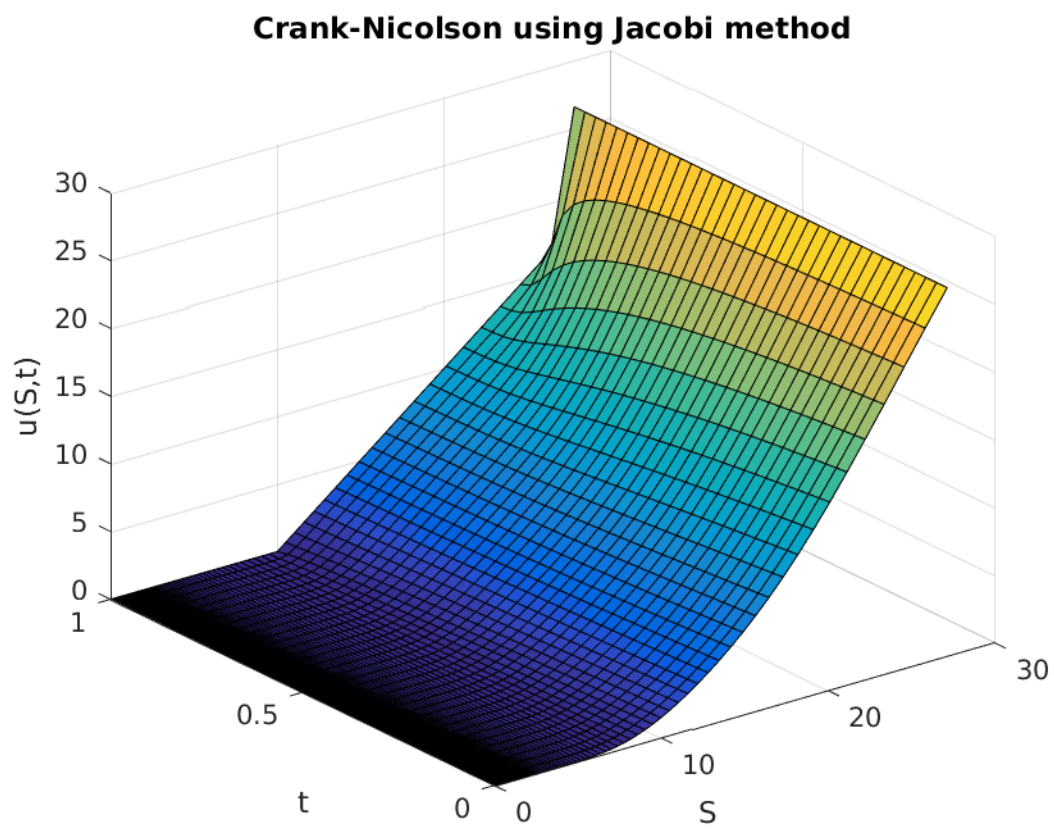












Question 2

