

# Assignment-2

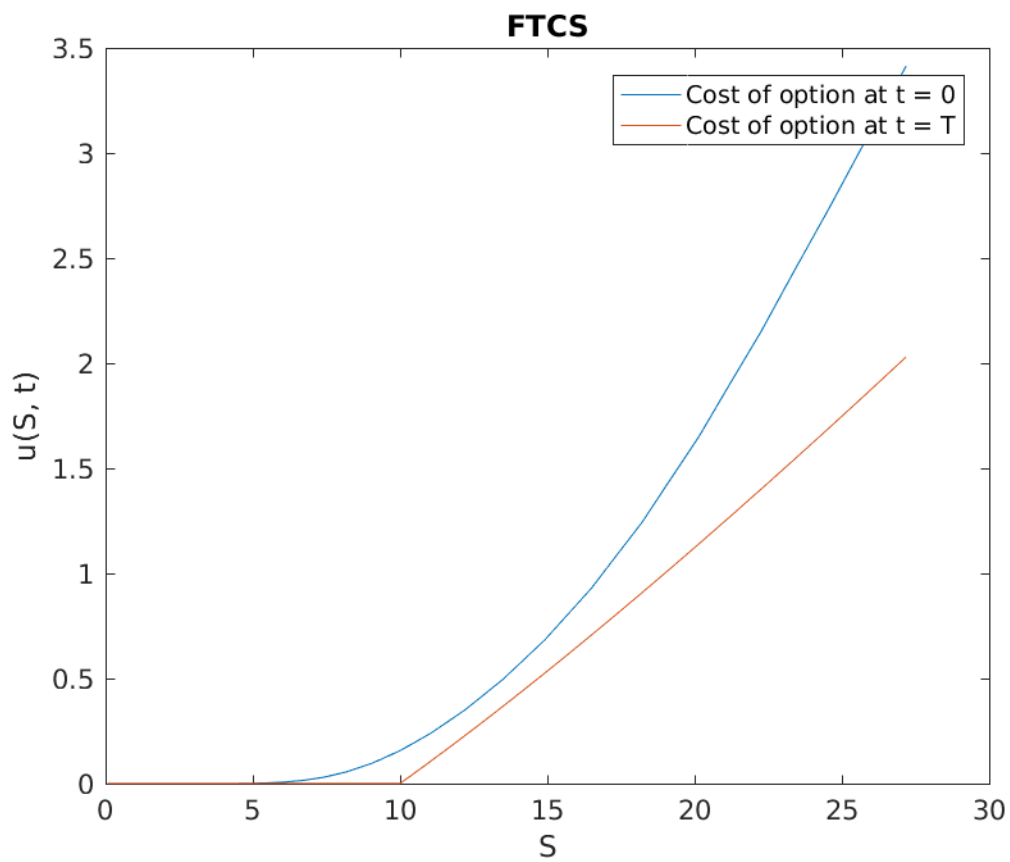
Abheek Ghosh

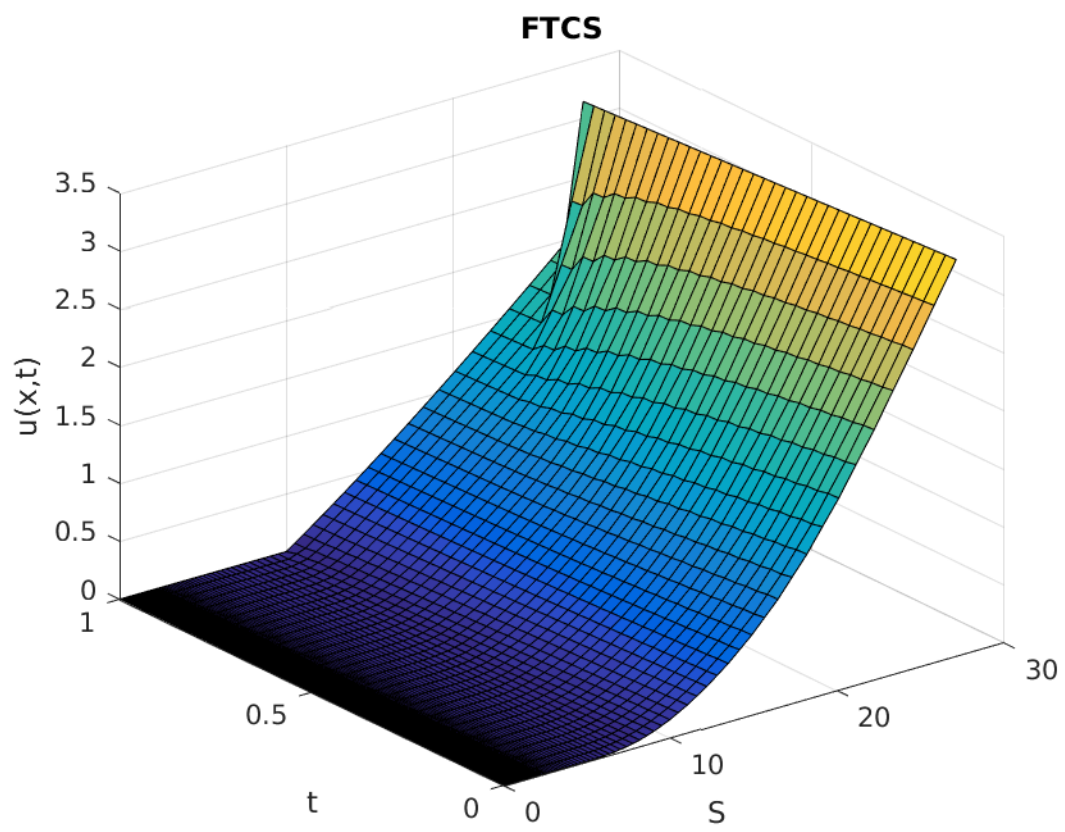
140123047

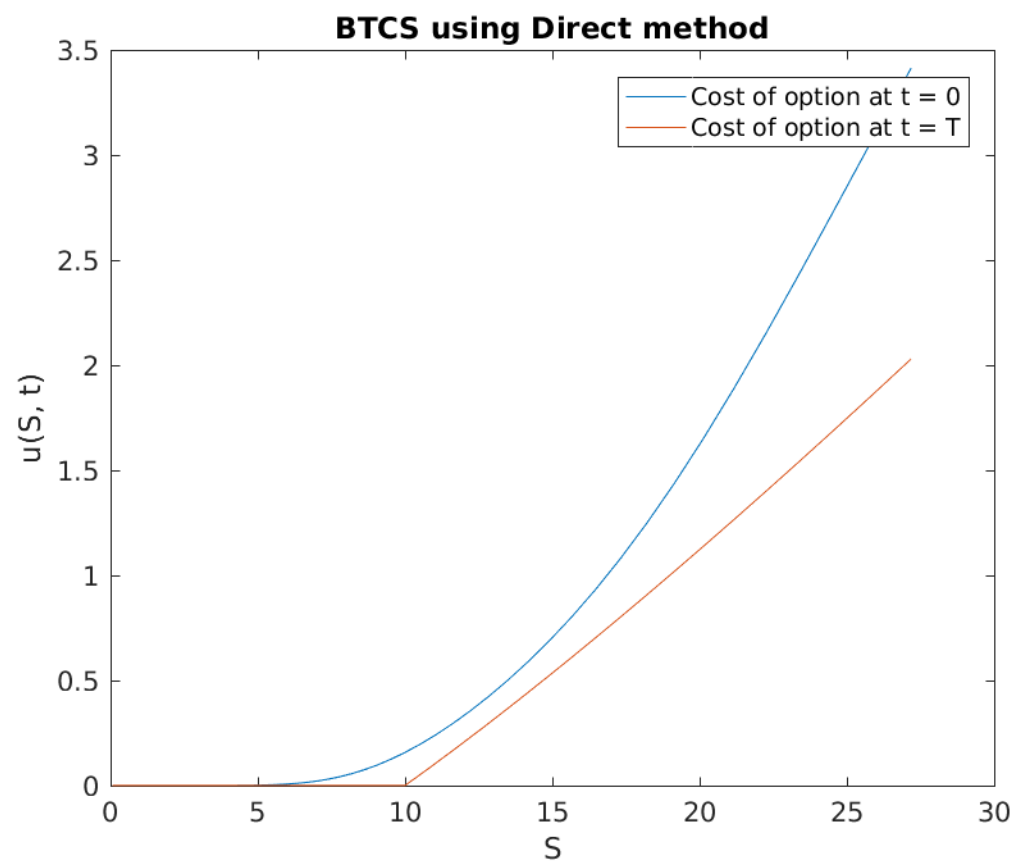
January 19, 2018

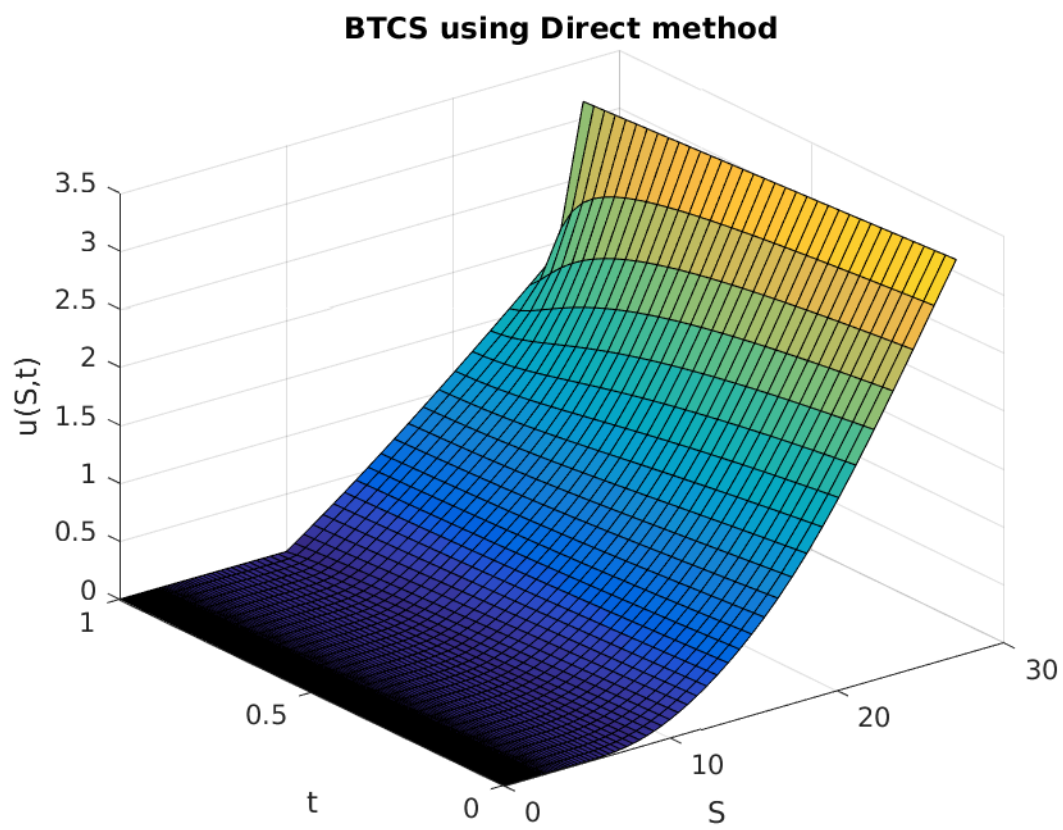
For extreme values of  $S$  (or  $x$ ) the error in the plots is mainly due to the error in computing the boundary condition because we don't have  $x = \infty$  and  $-\infty$  as required.

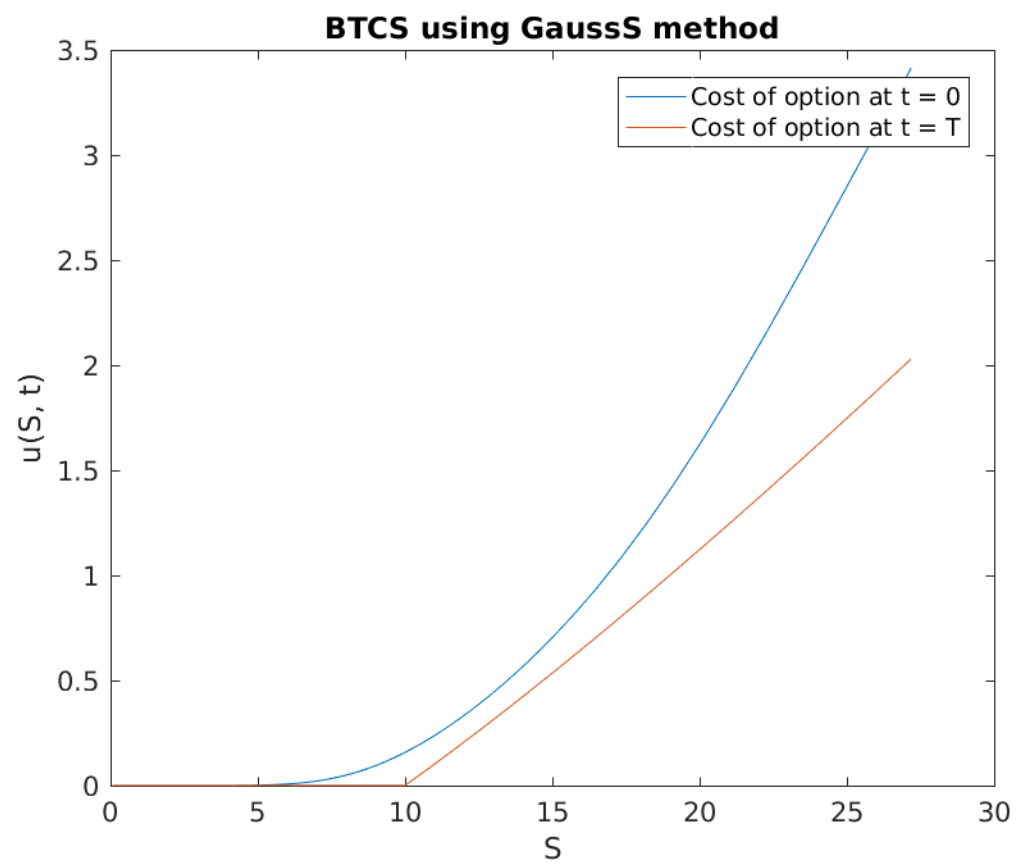
## Question 1

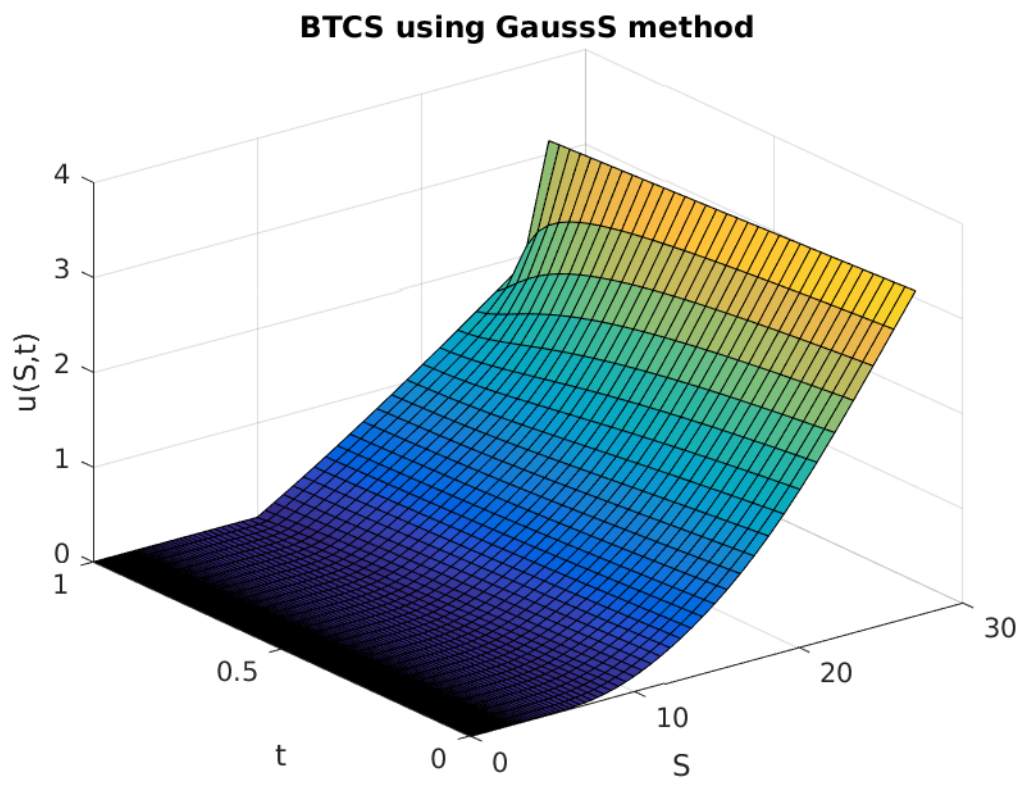


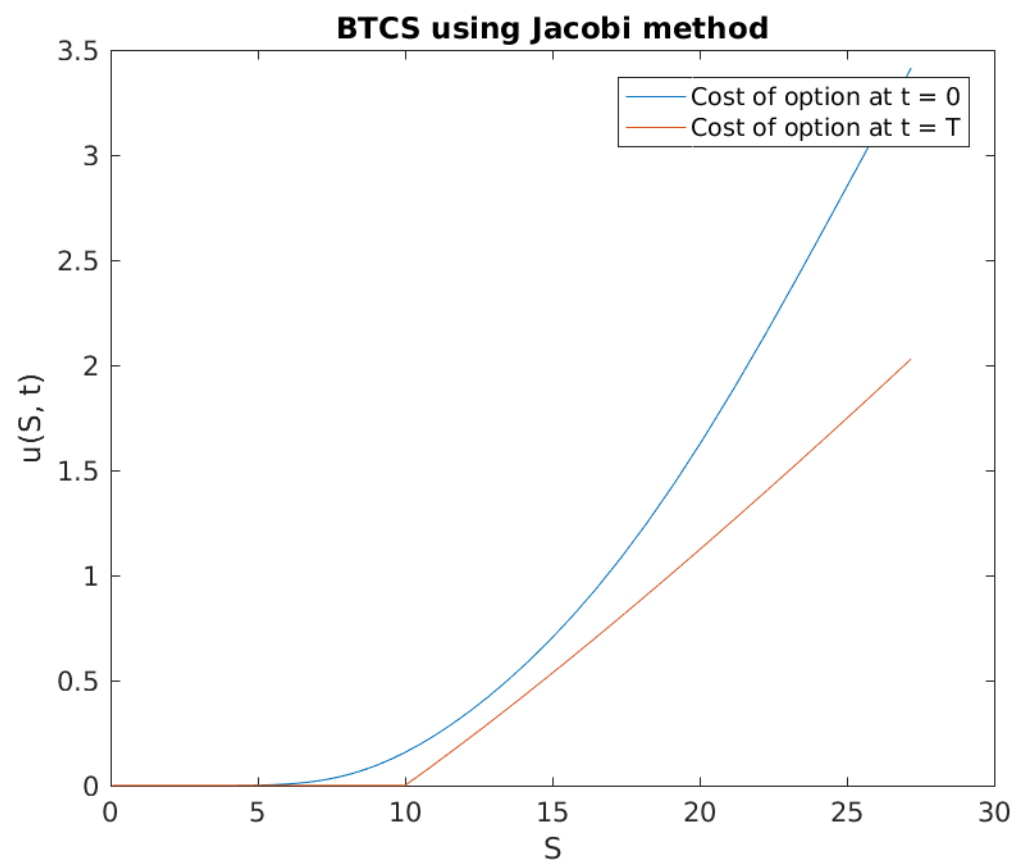


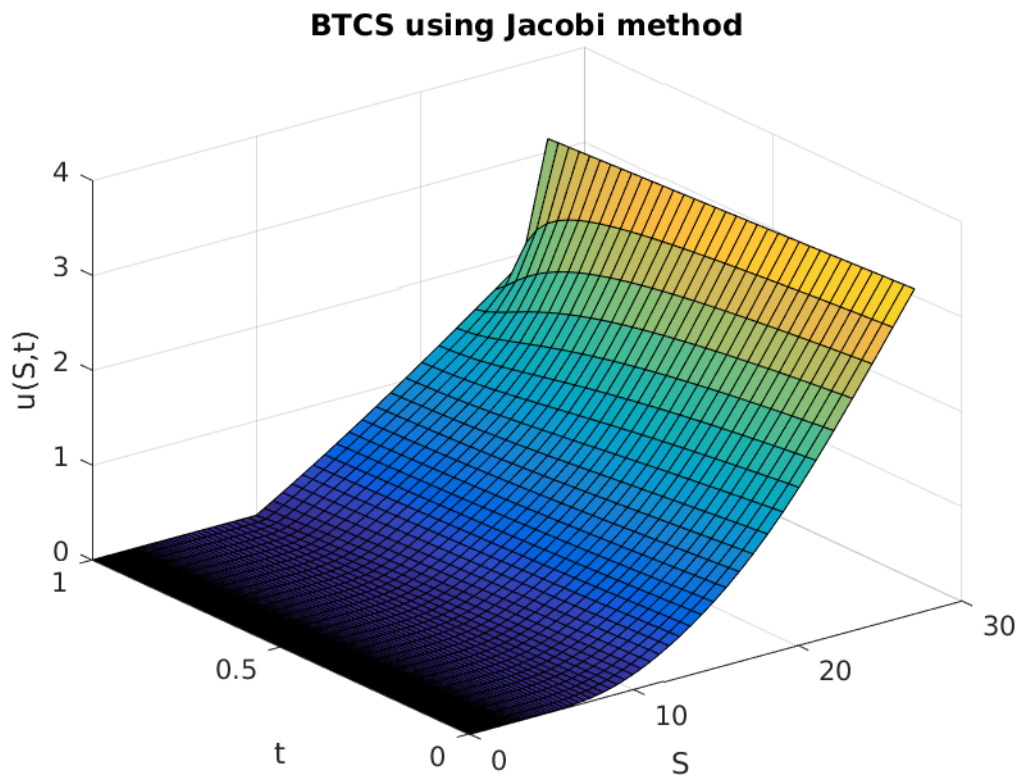




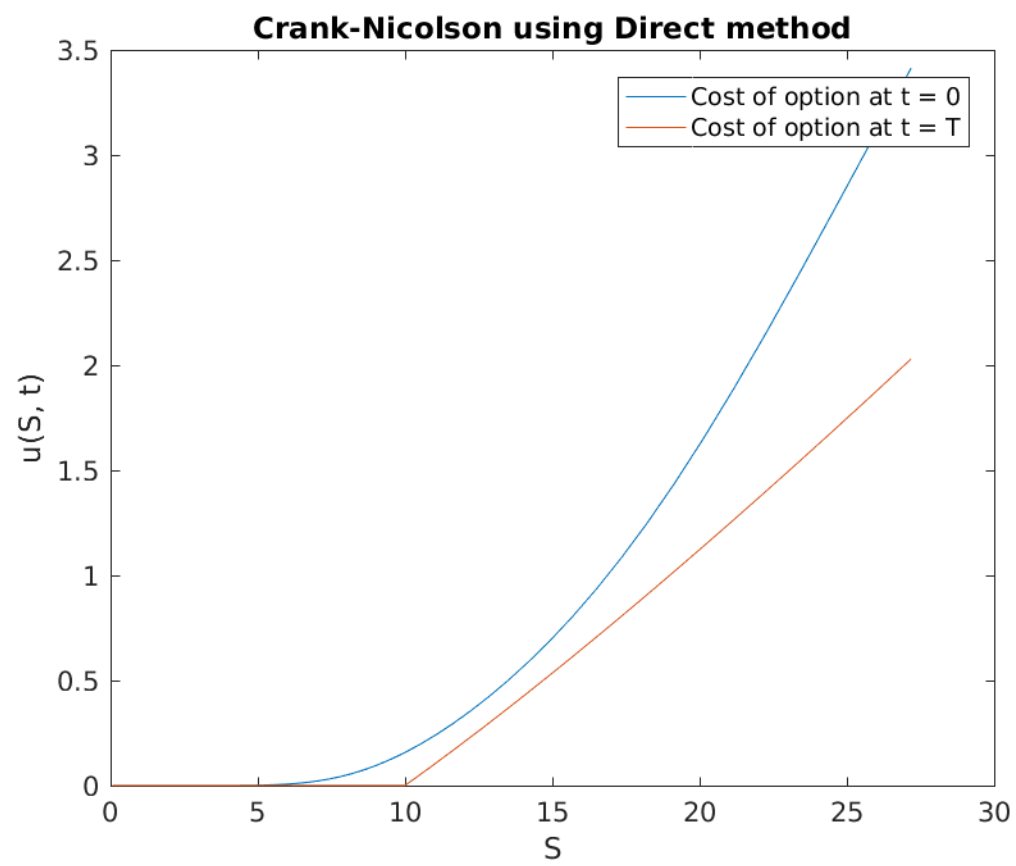


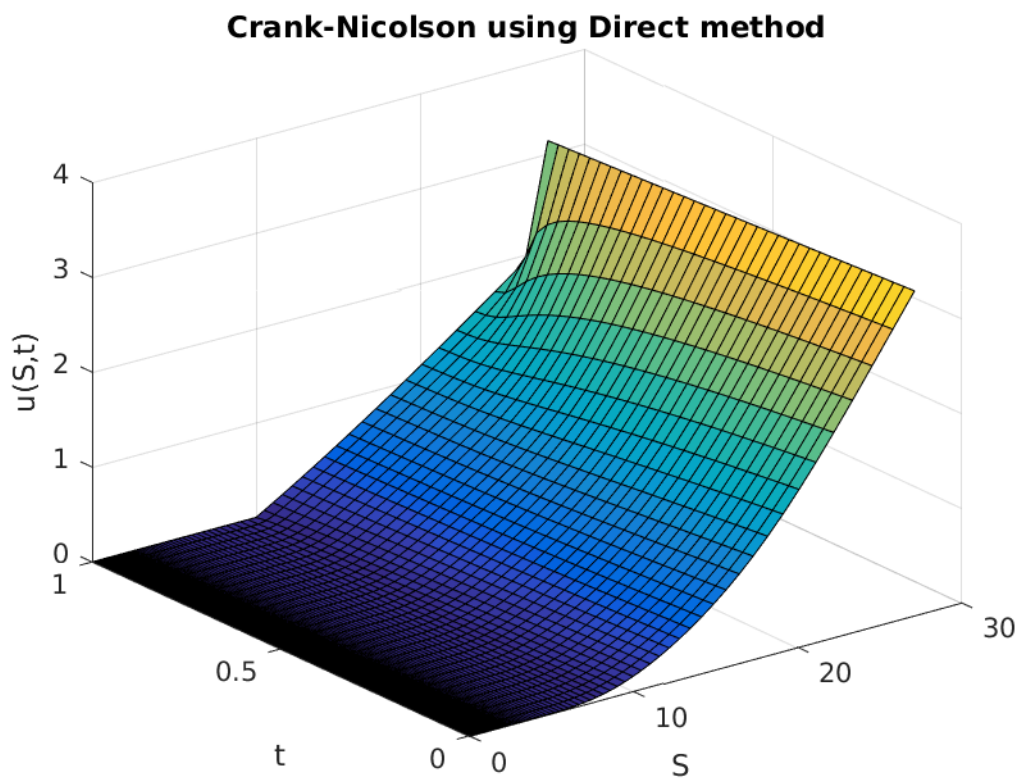


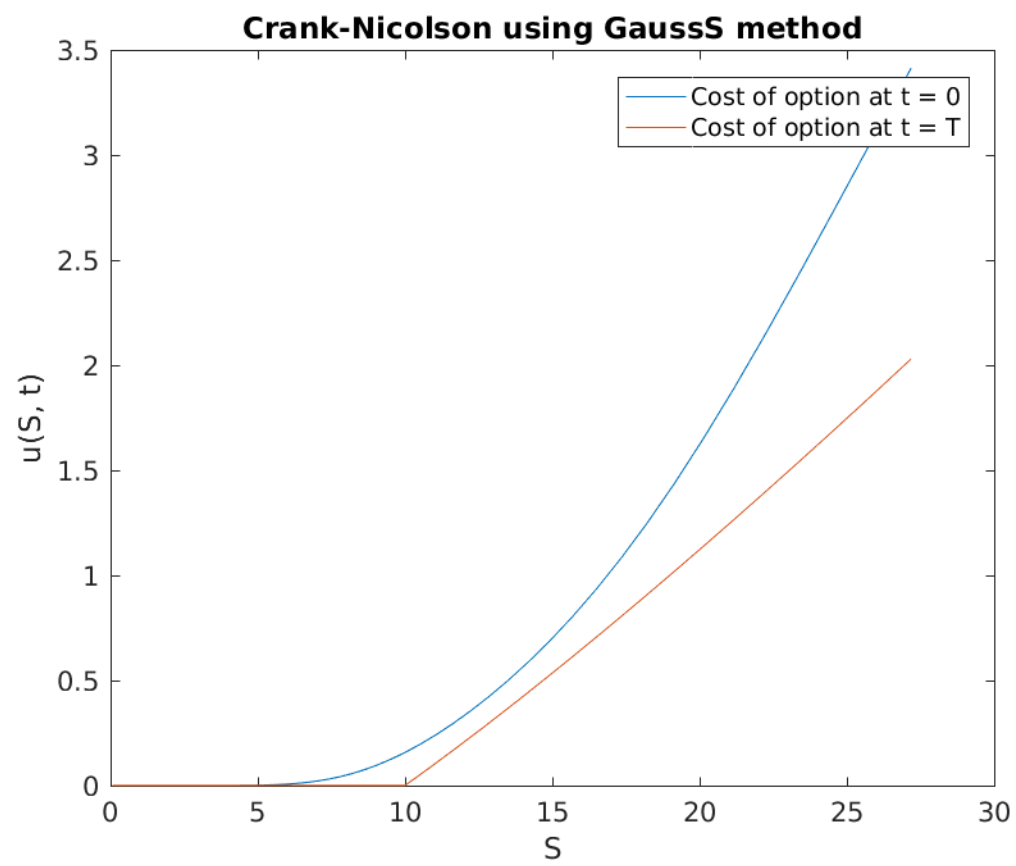


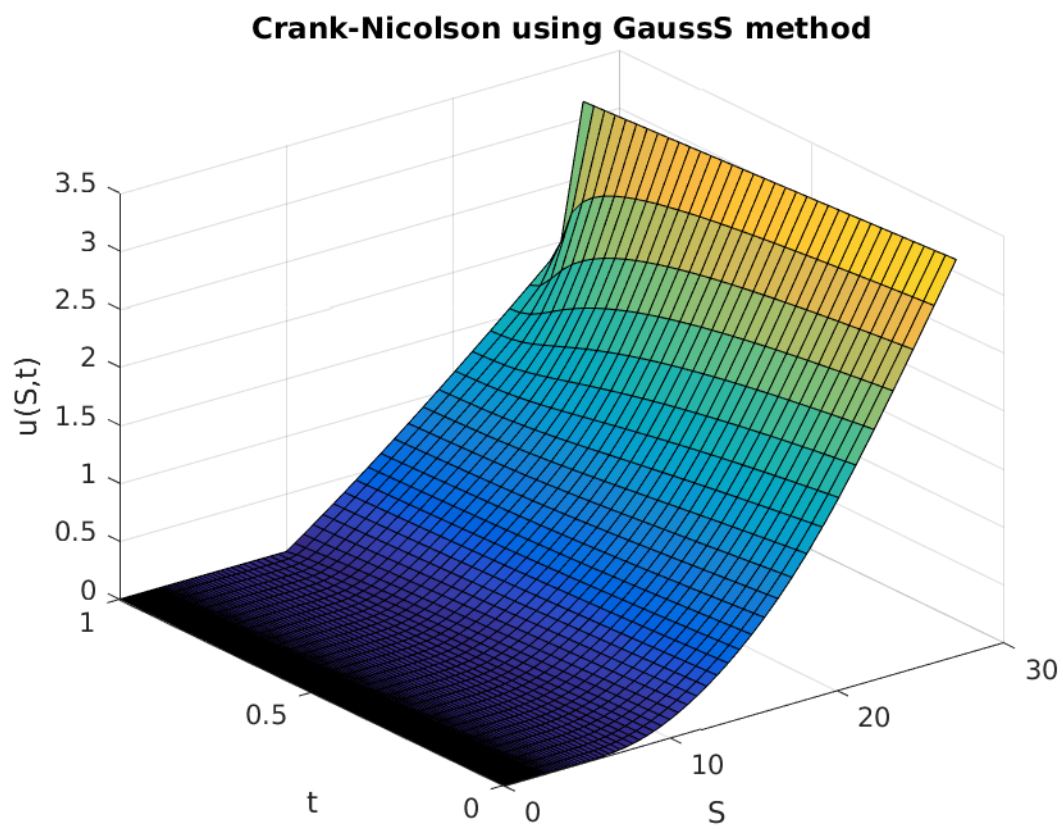


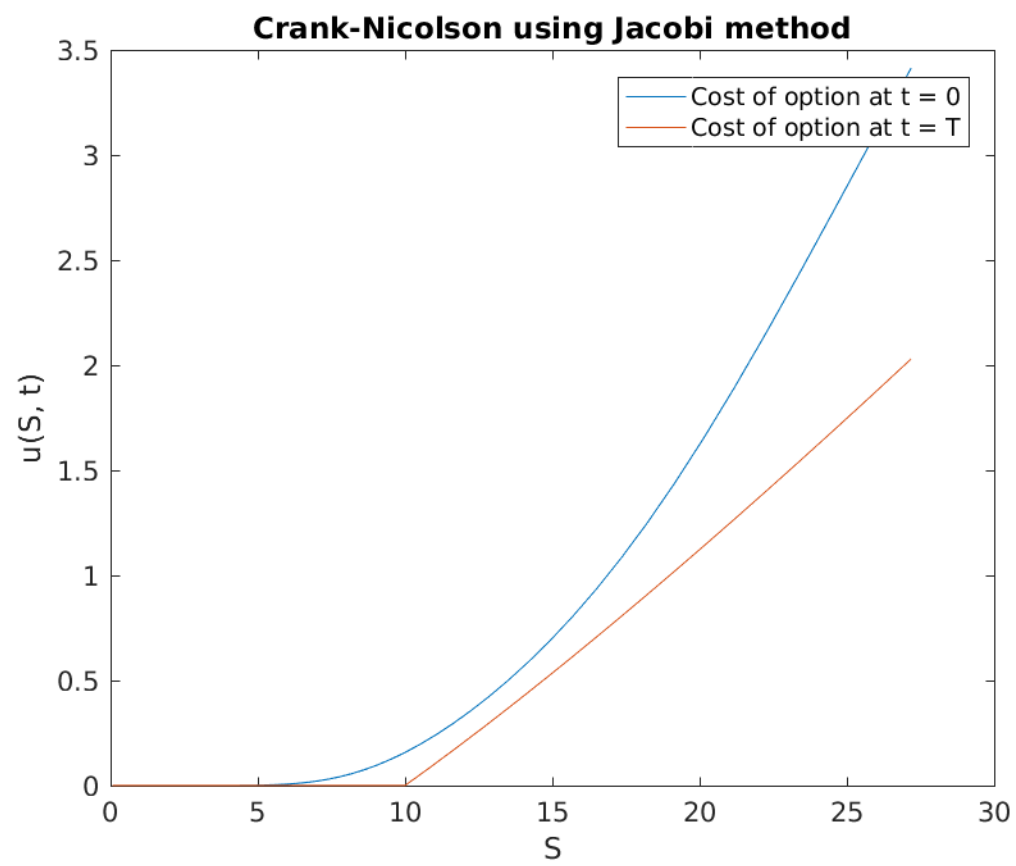


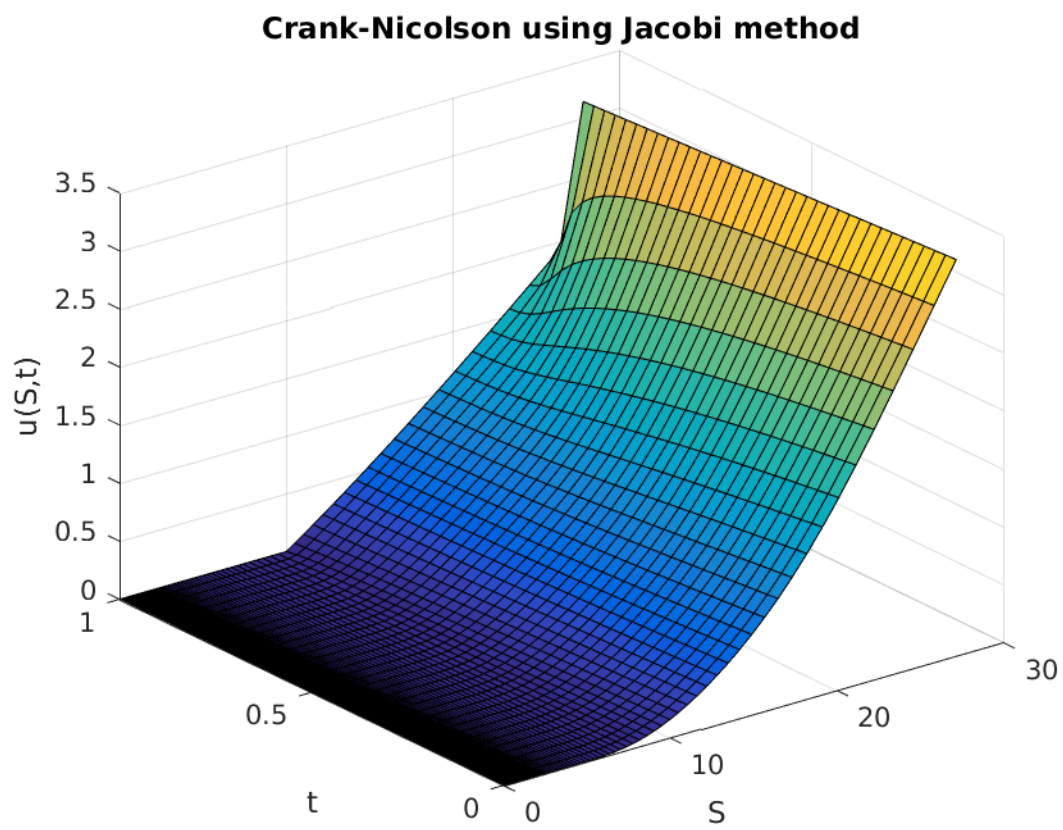












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## Question 2

