

# Assignment-3

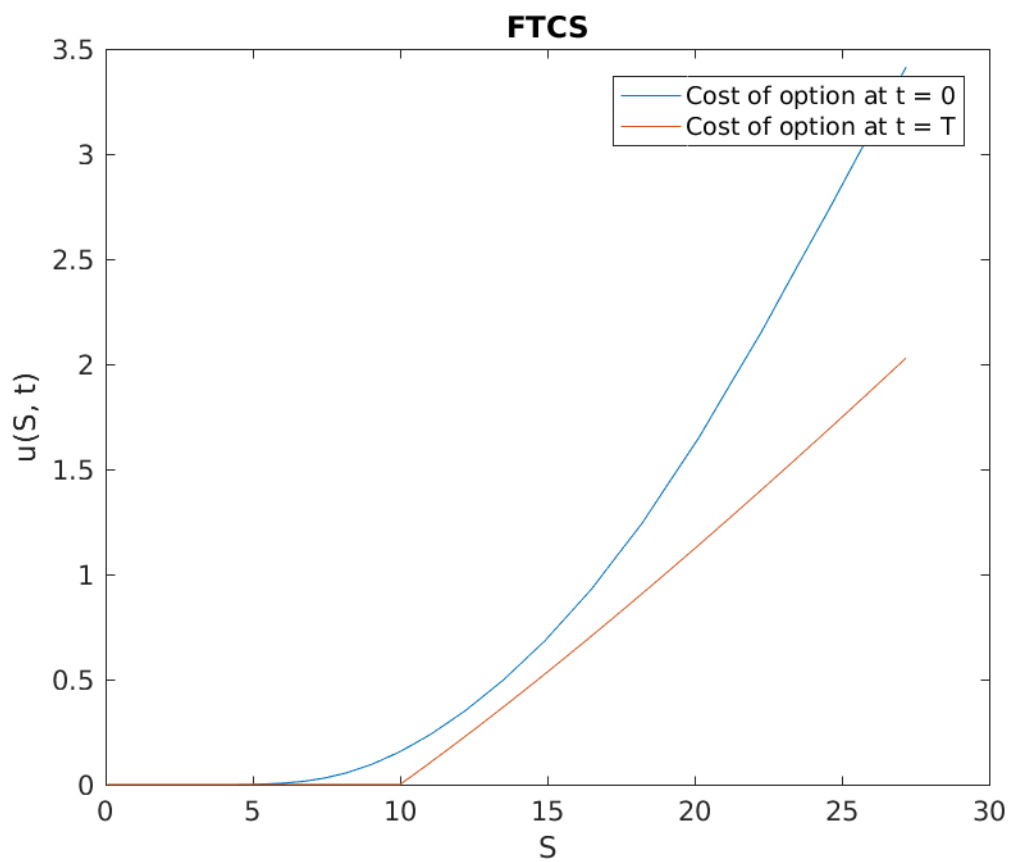
Abheek Ghosh

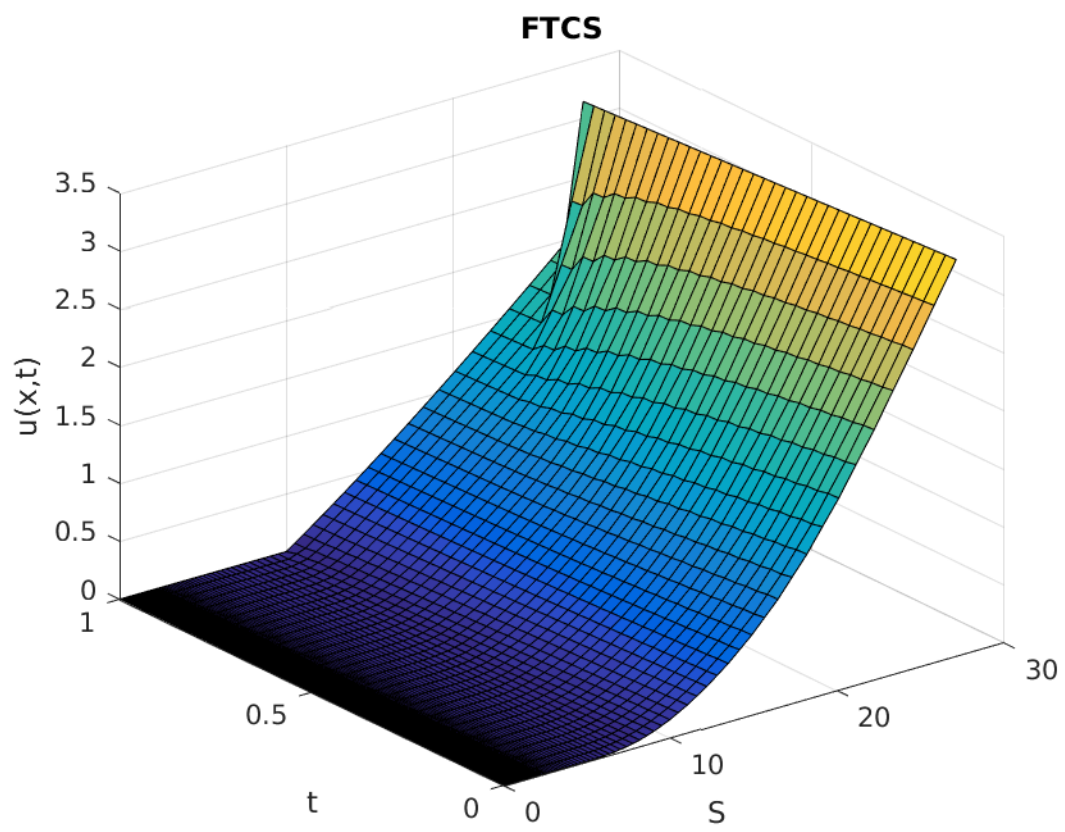
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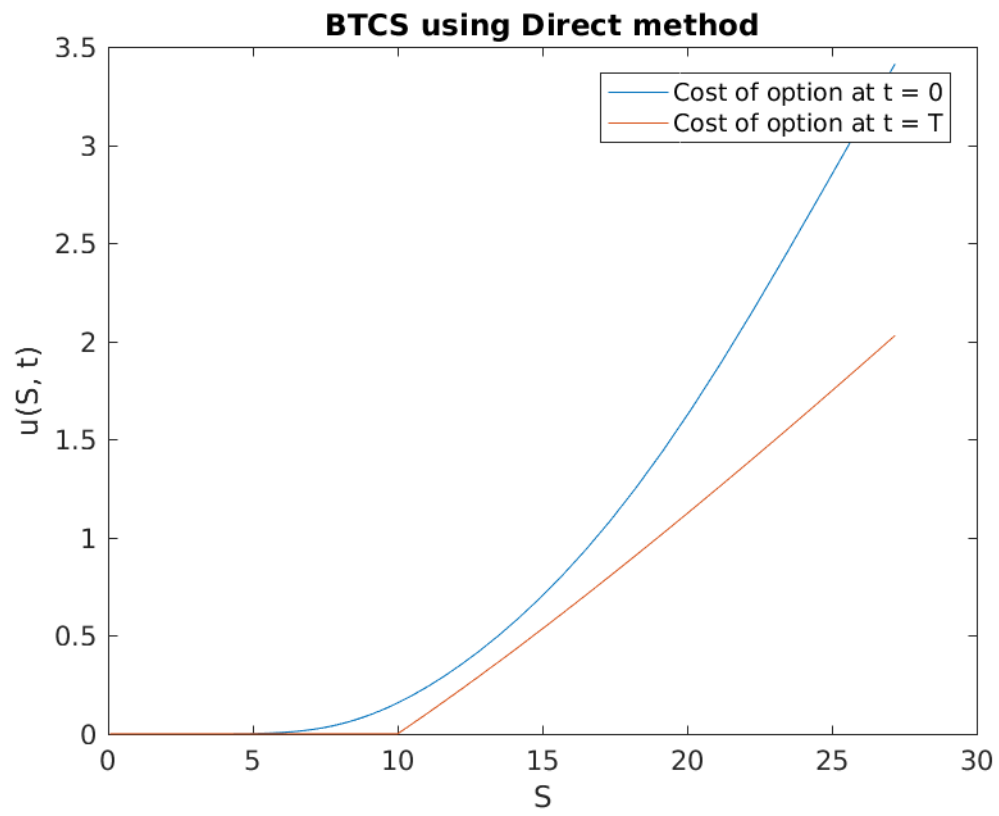
January 24, 2018

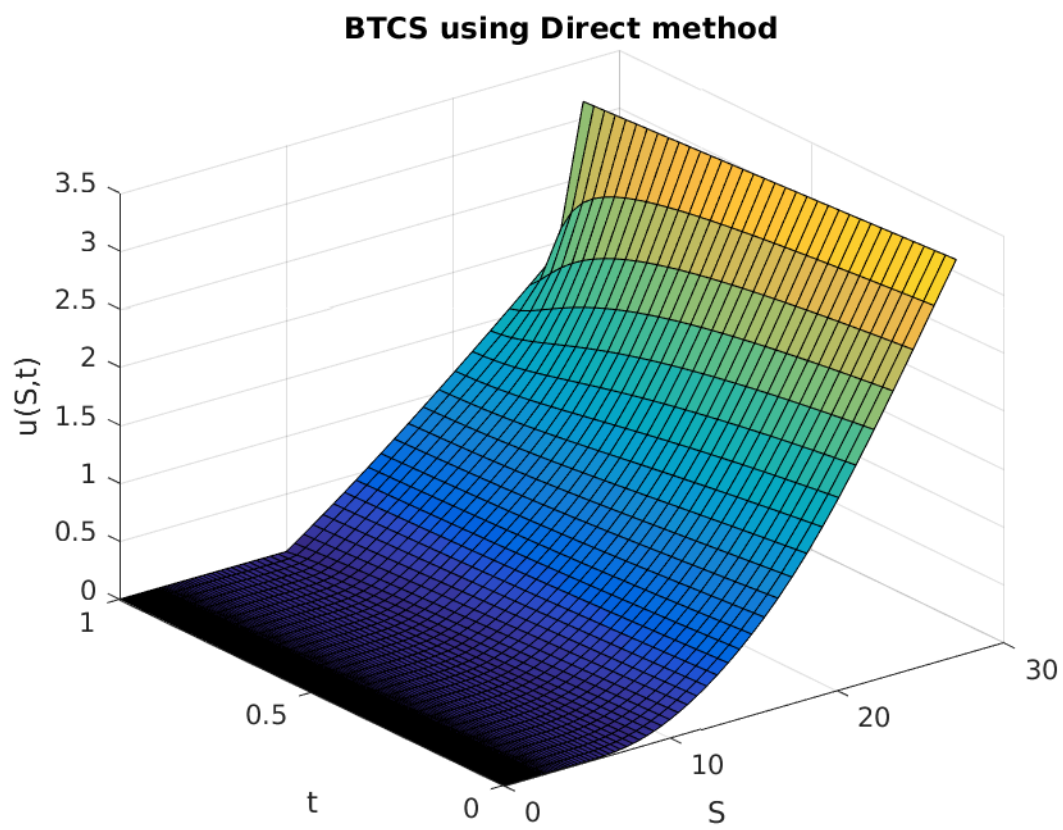
For extreme values of  $S$  (or  $x$ ) the error in the plots is mainly due to the error in computing the boundary condition because we don't have  $x = \infty$  and  $-\infty$  as required. Our  $x$  has a small range  $-5$  to  $1$ .

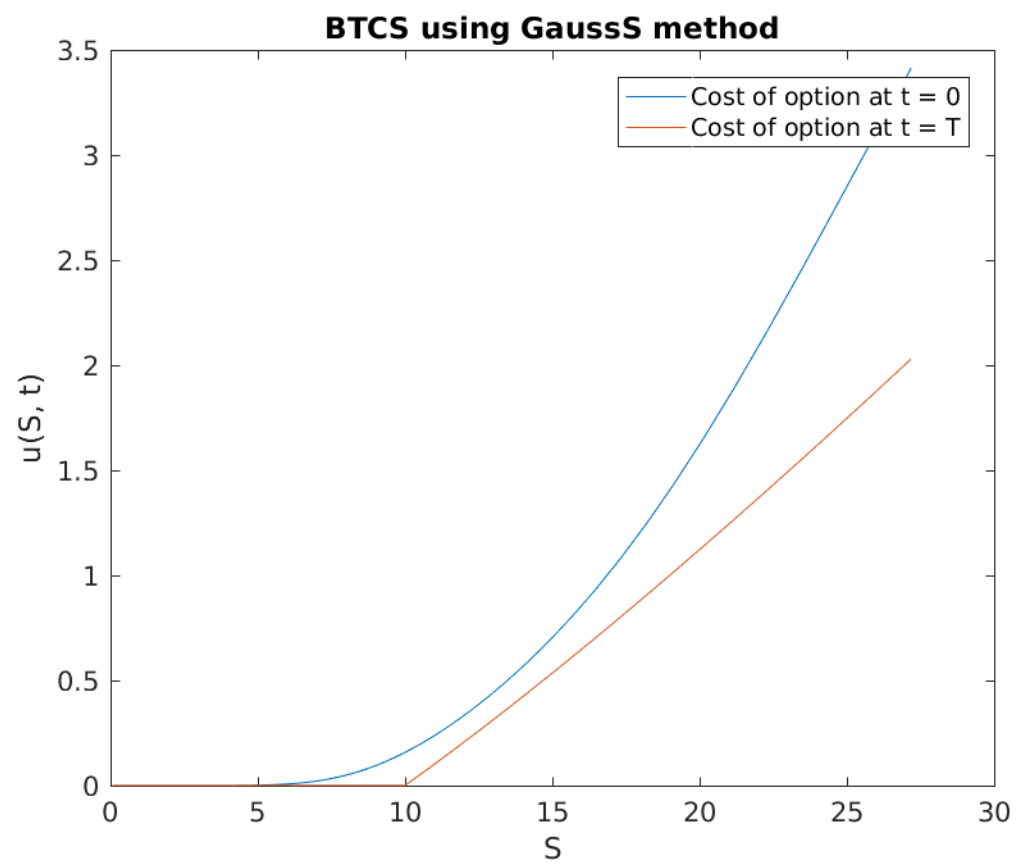
## Question 1

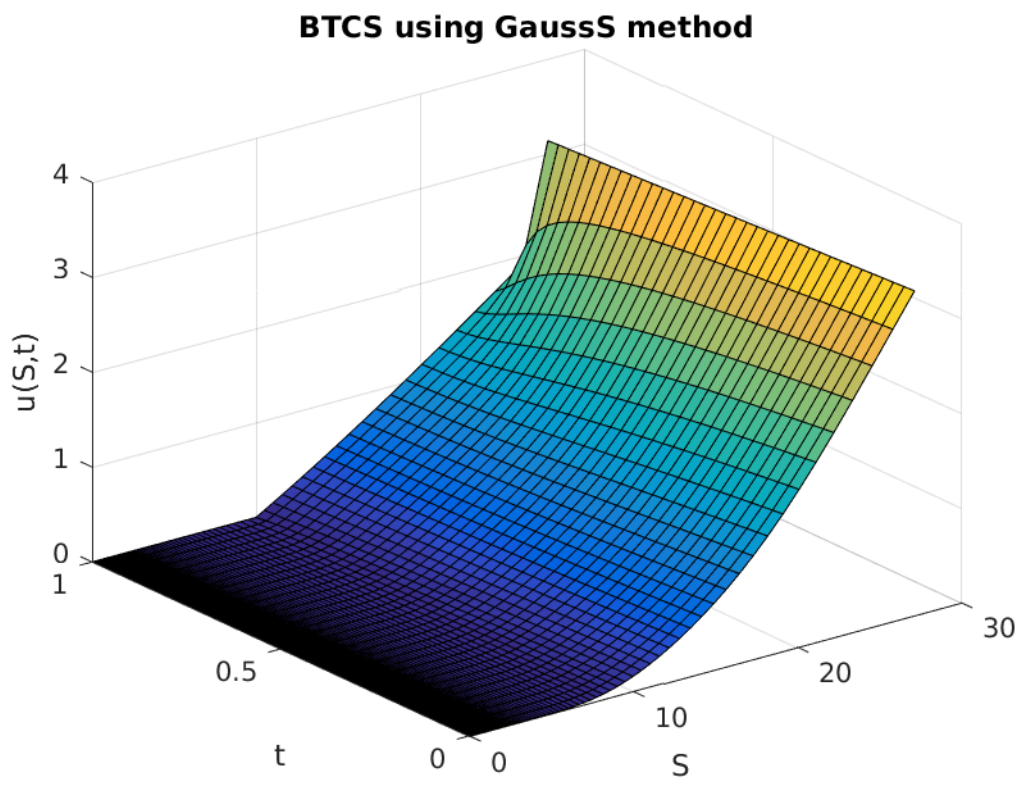


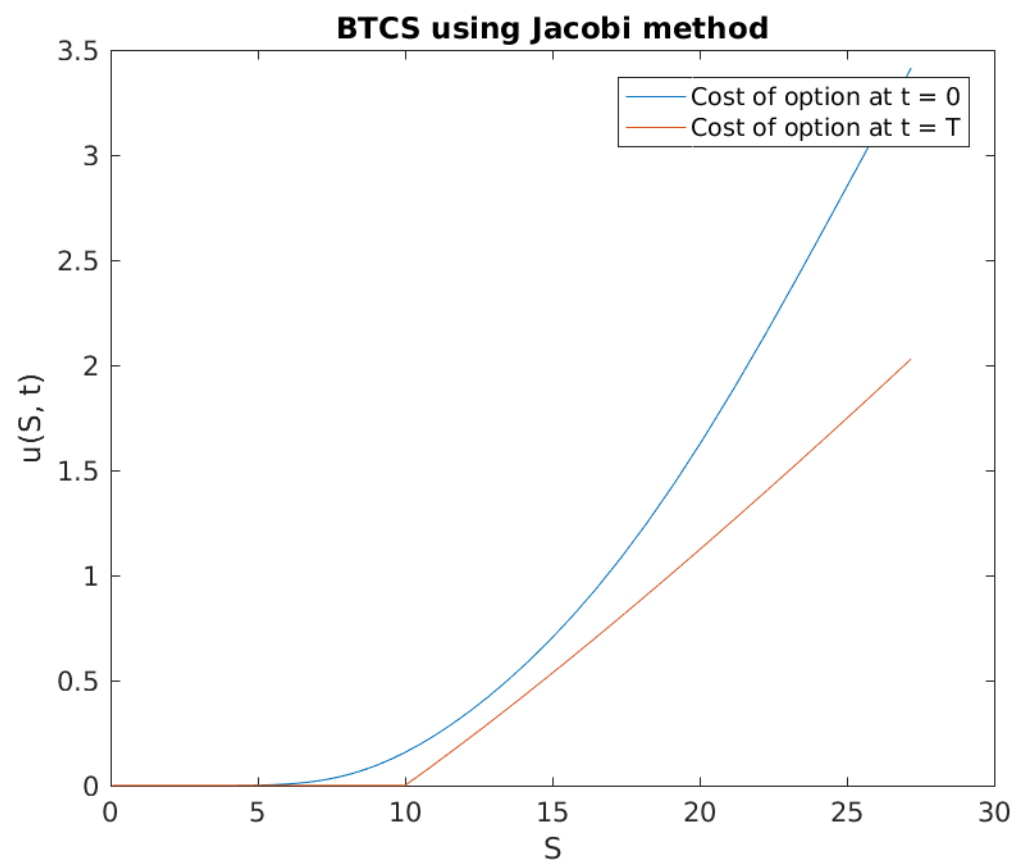


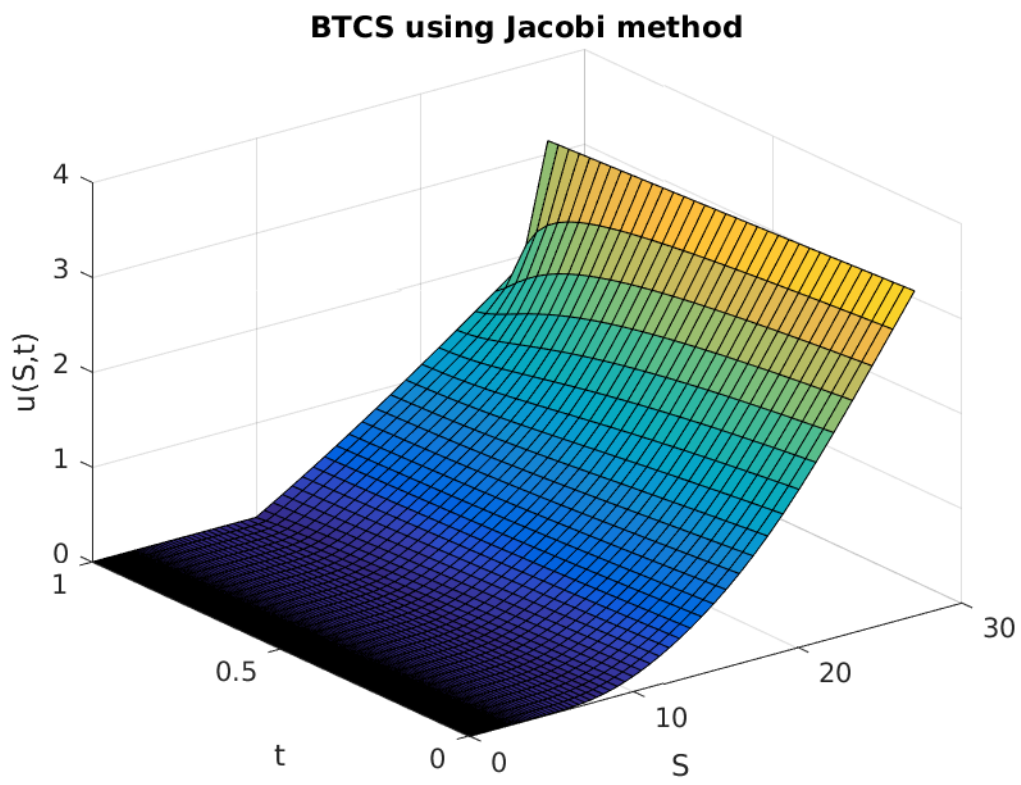




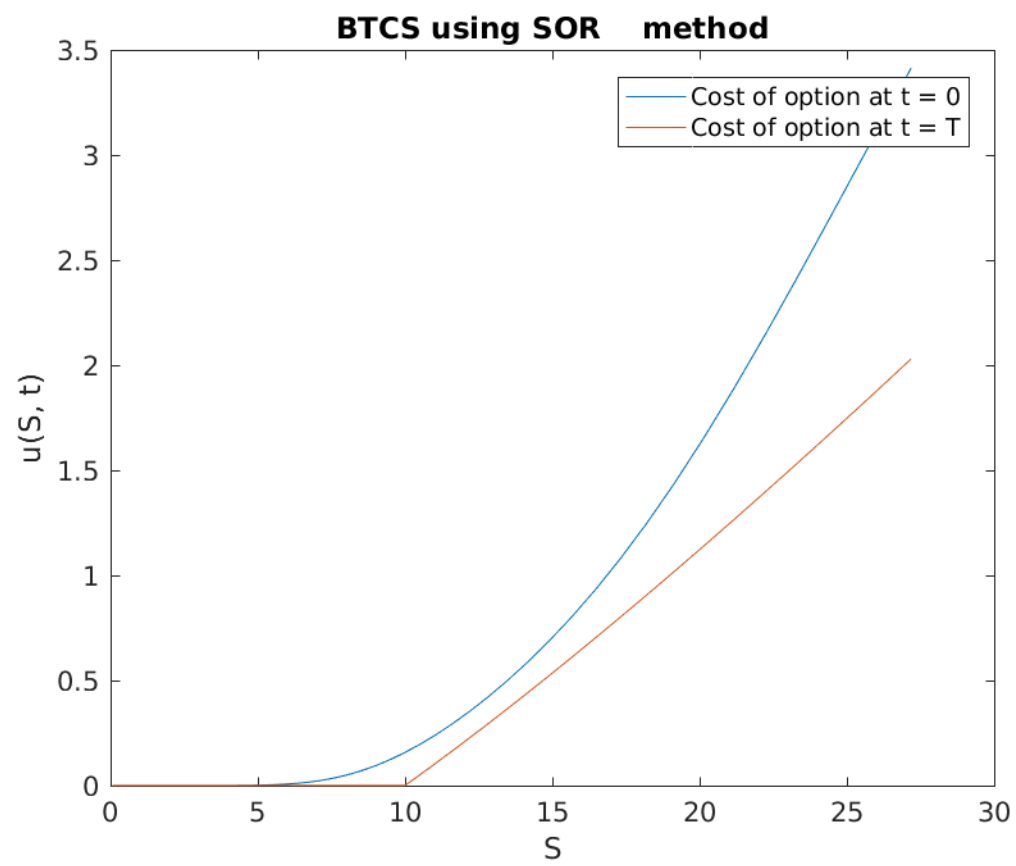


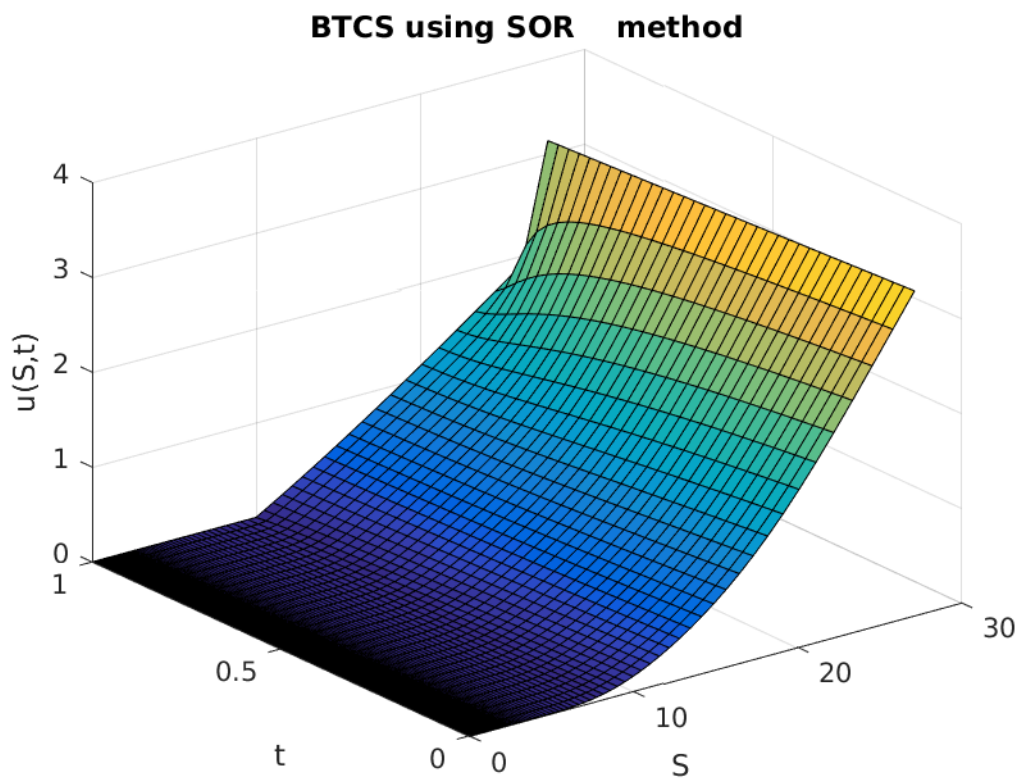


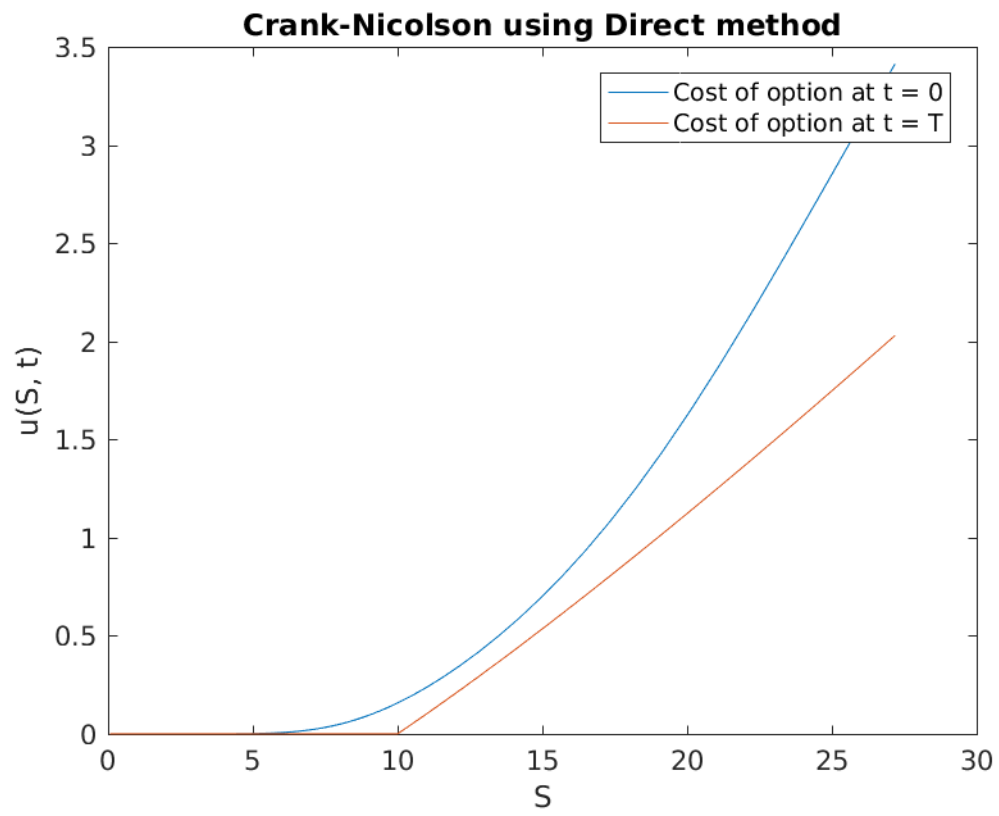


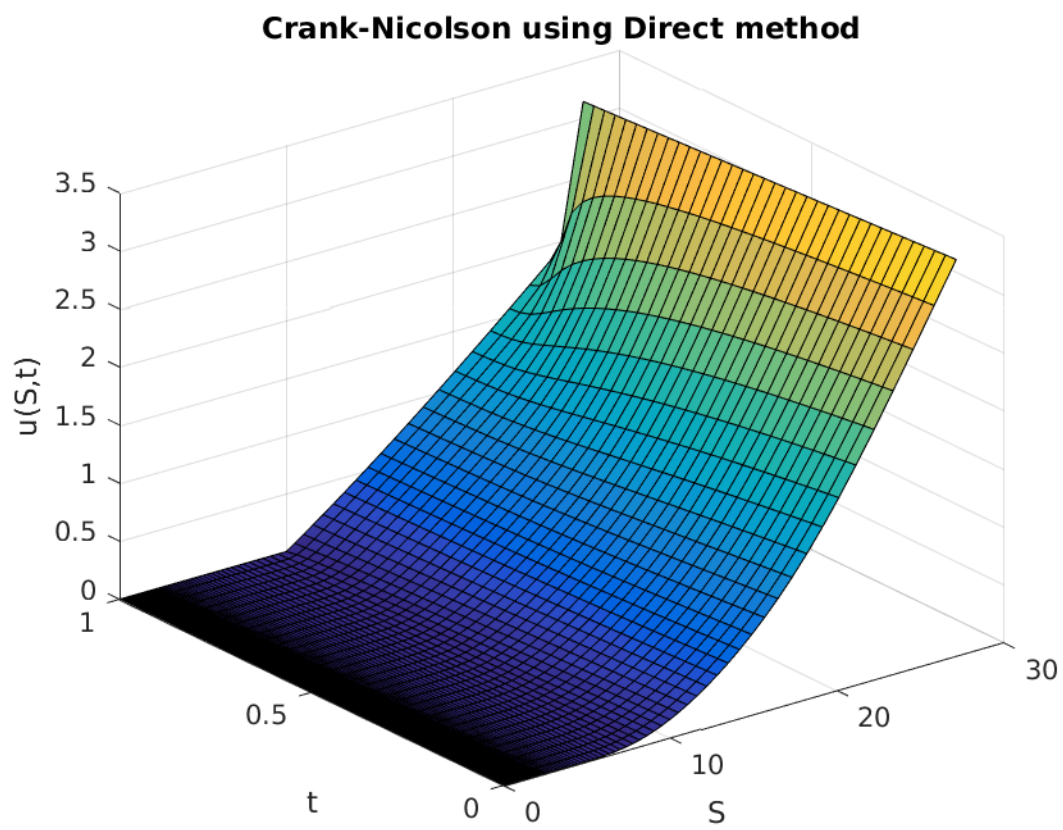


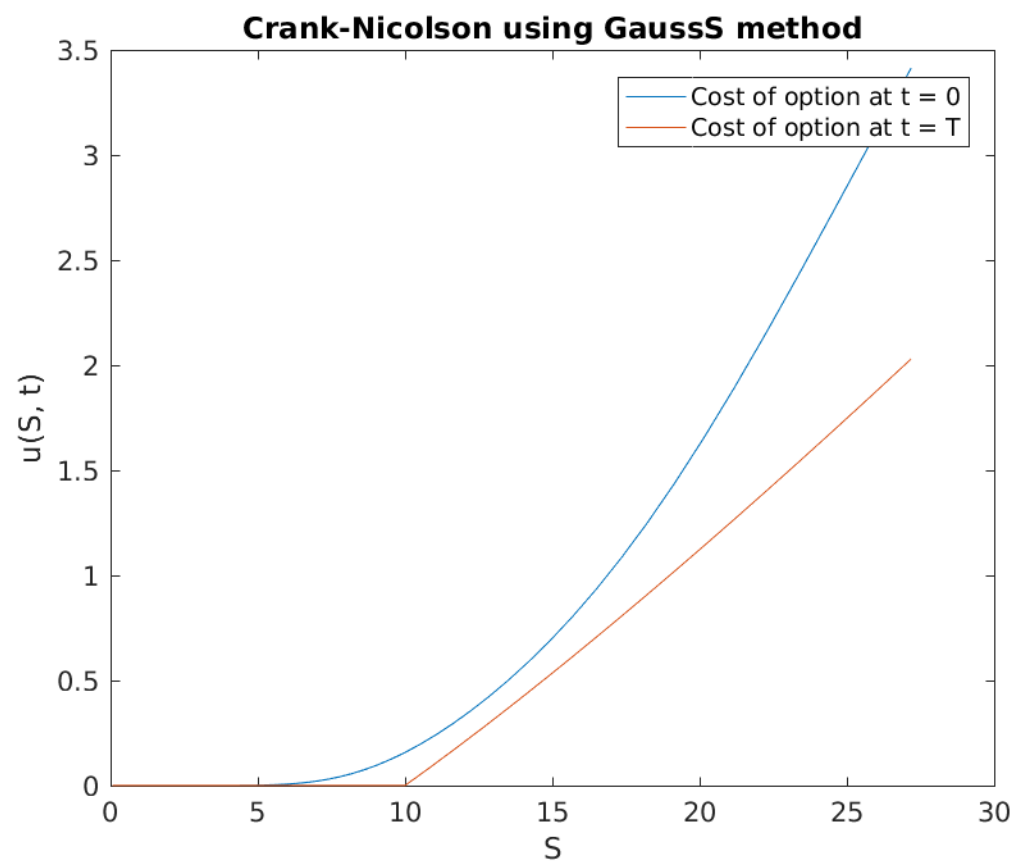


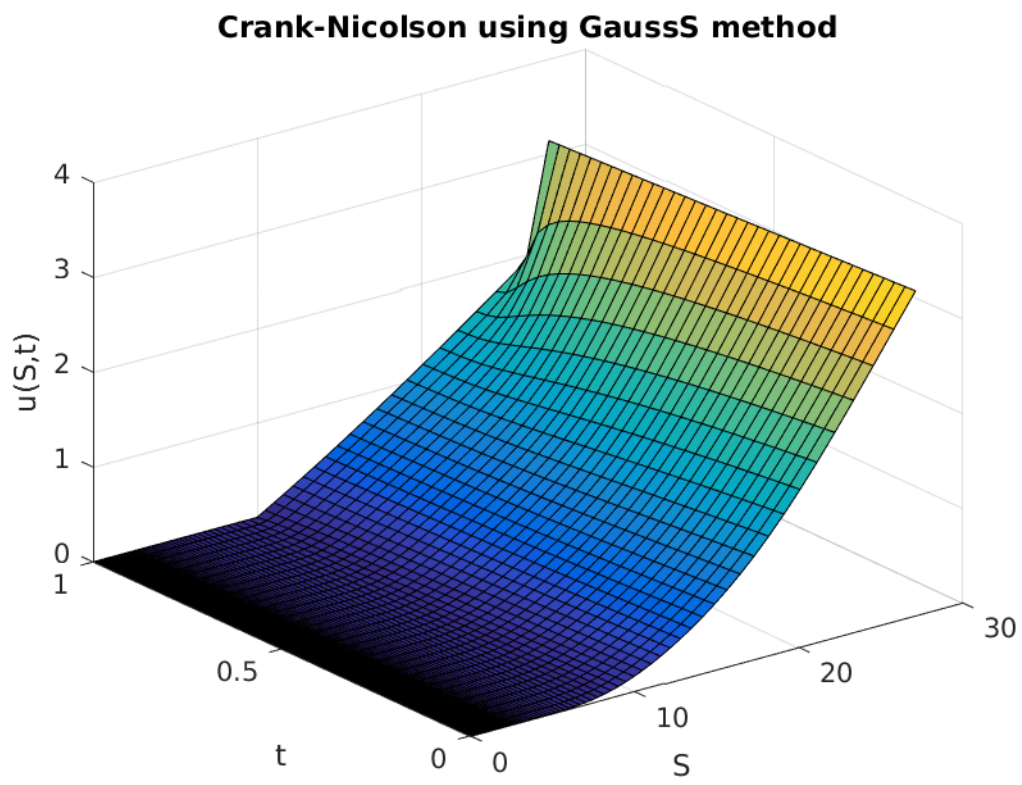


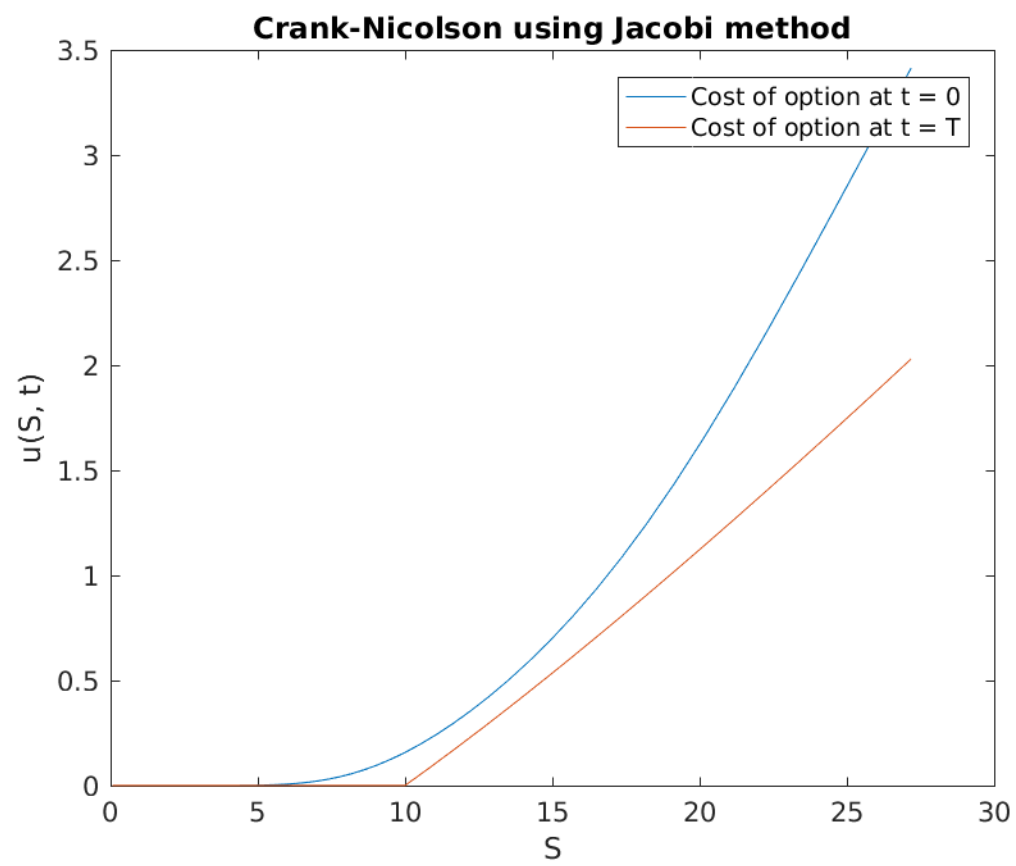


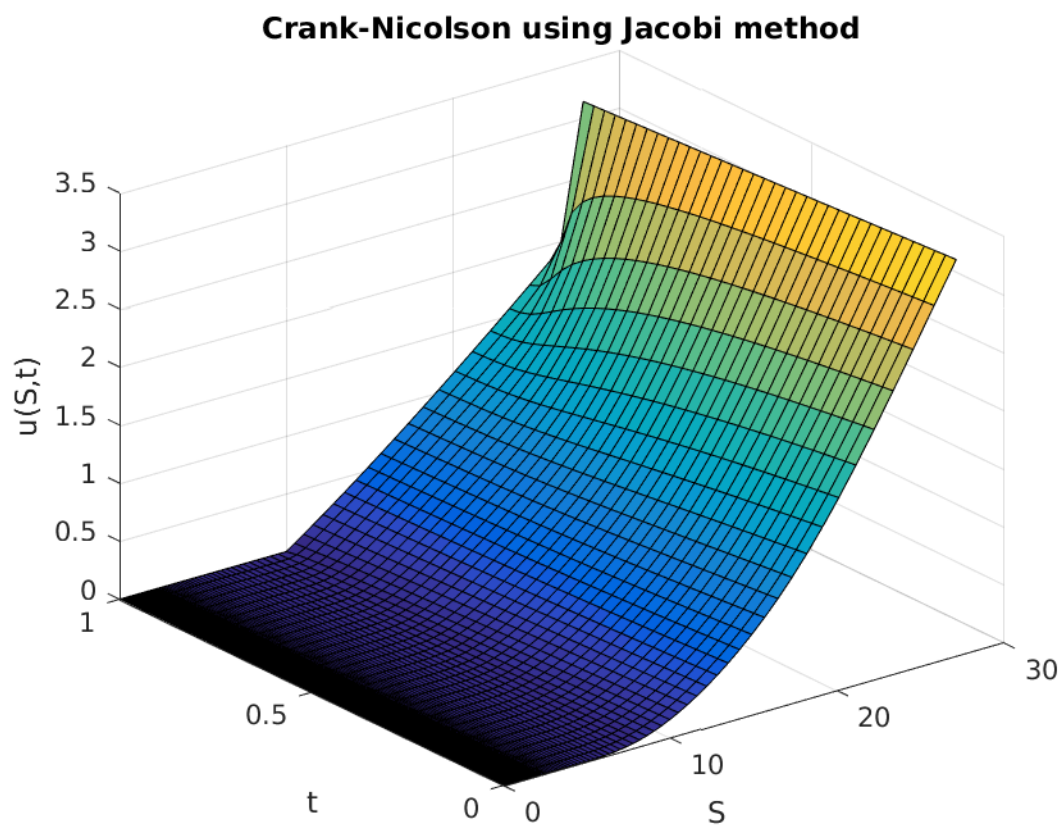




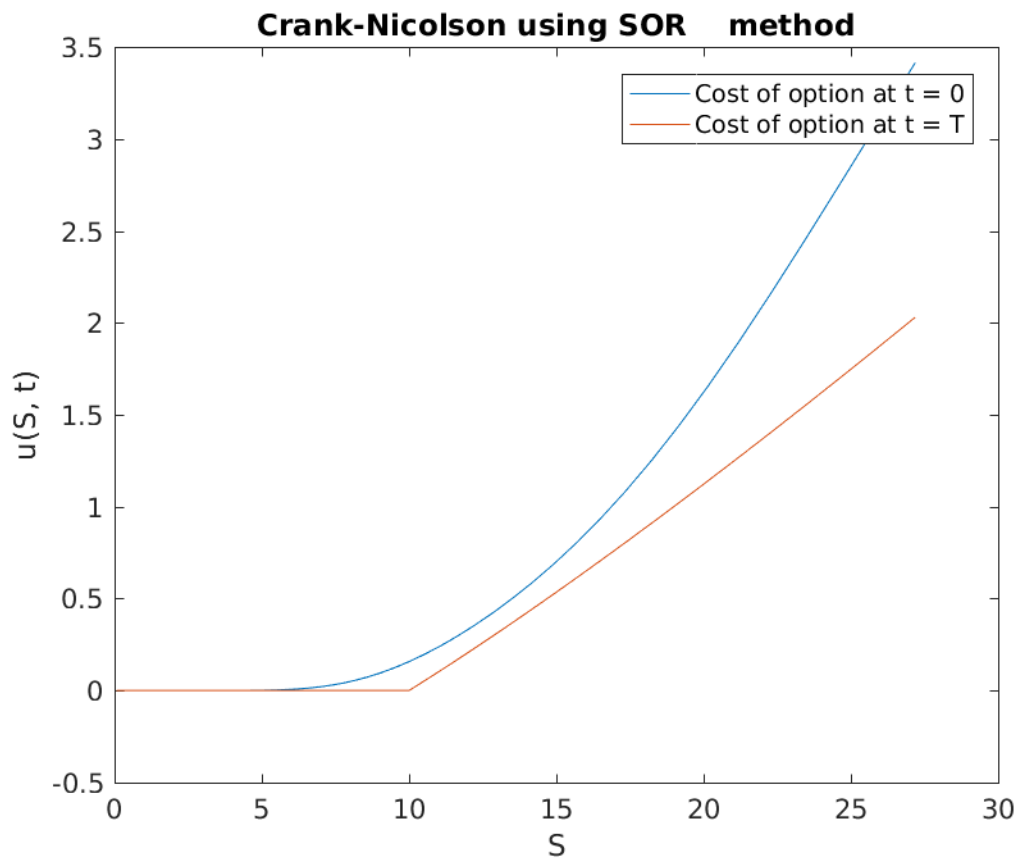


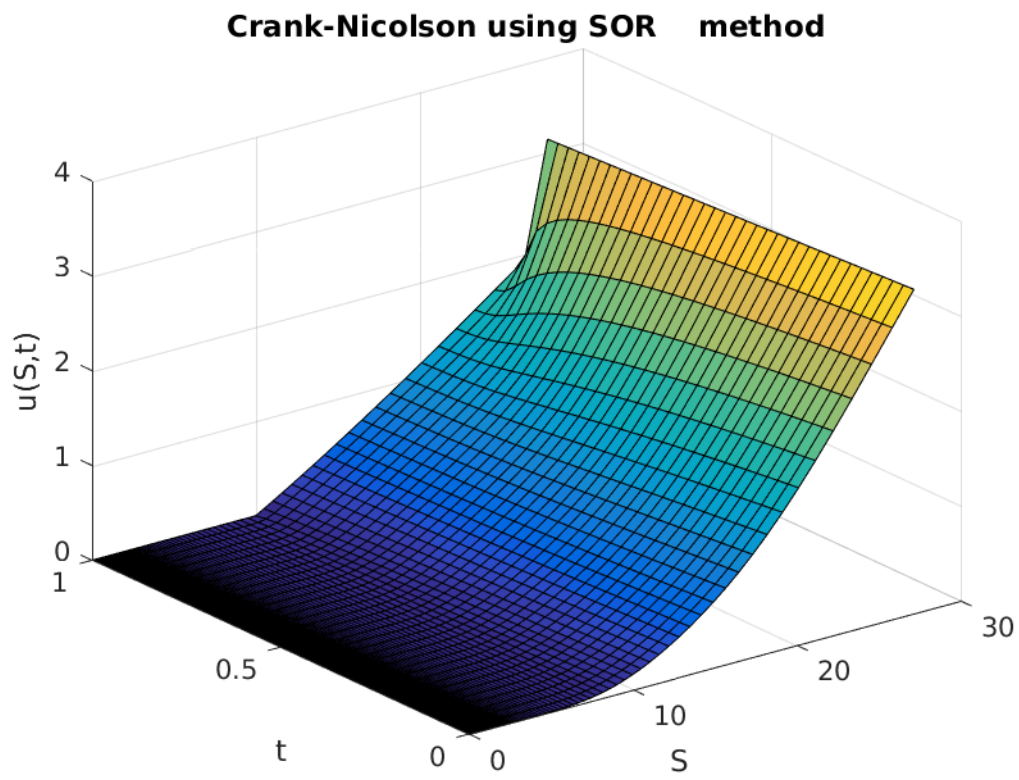












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## Question 2

