



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी  
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI

# MA 473: Computational Finance Lab

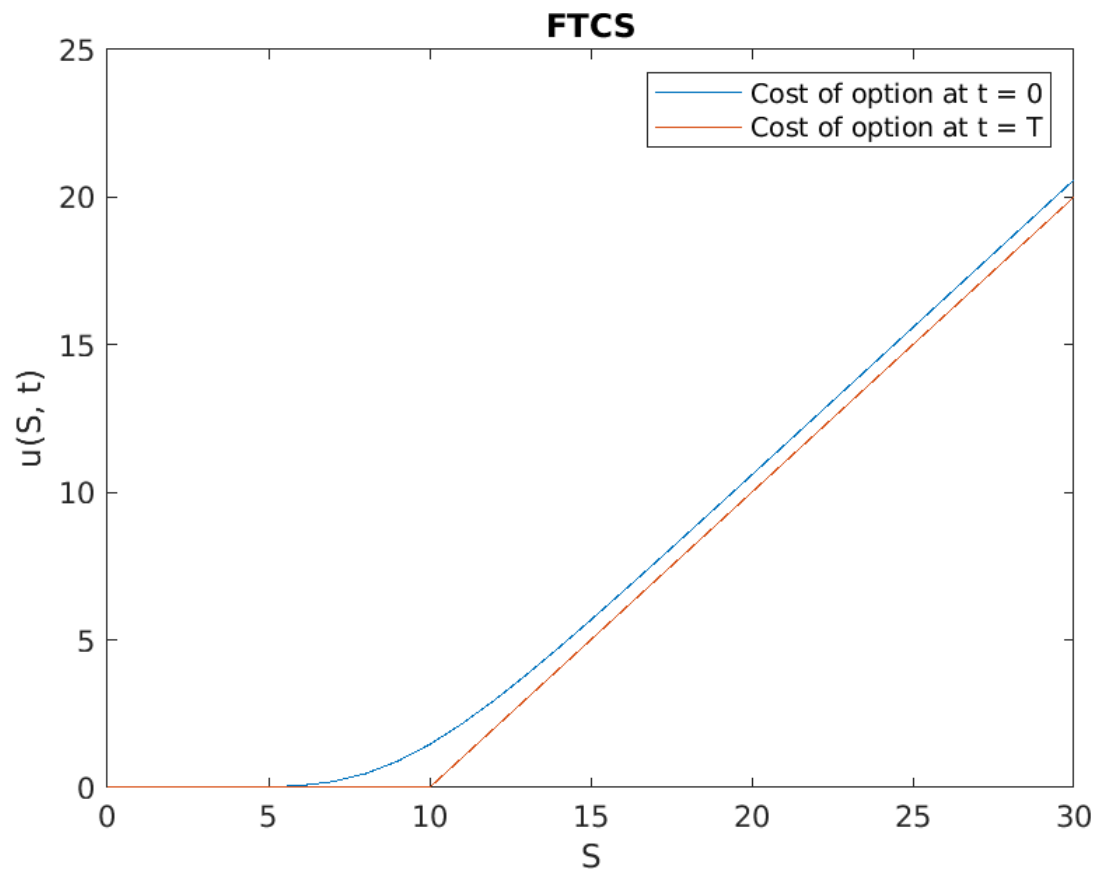
## Lab 02

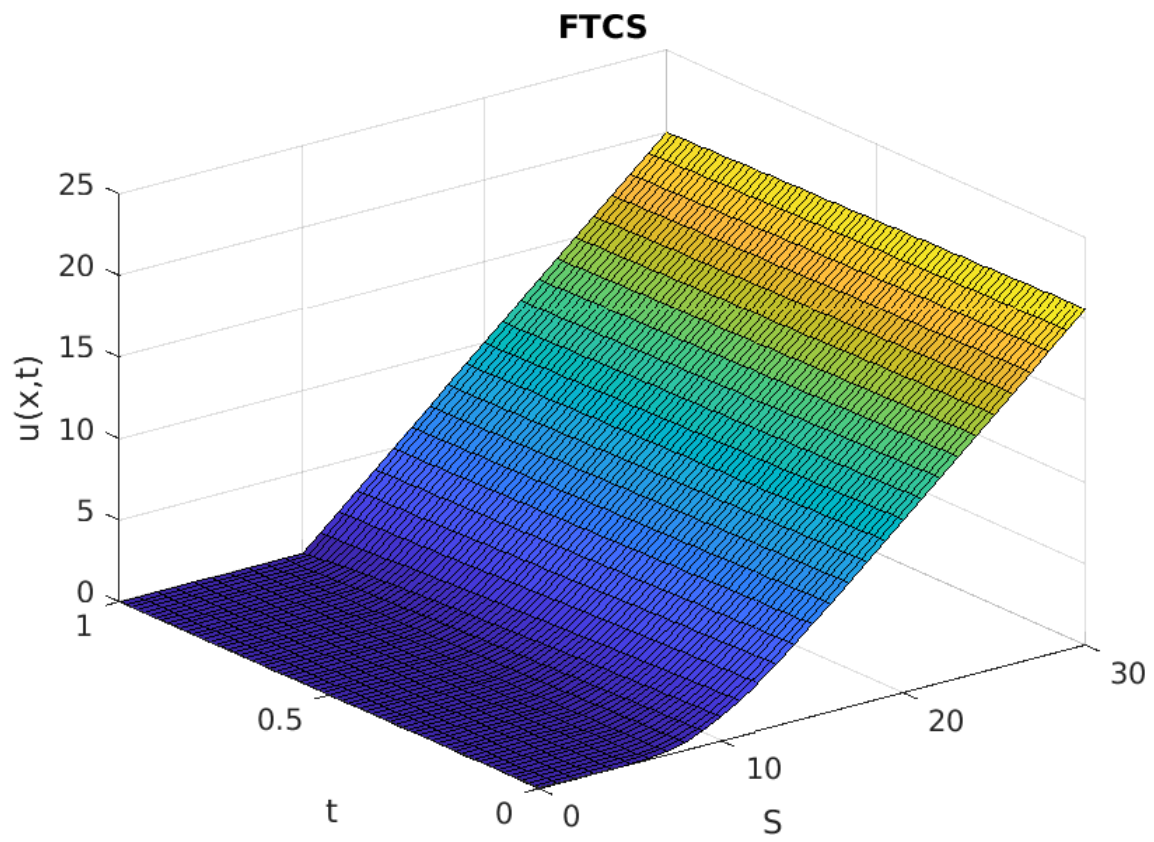
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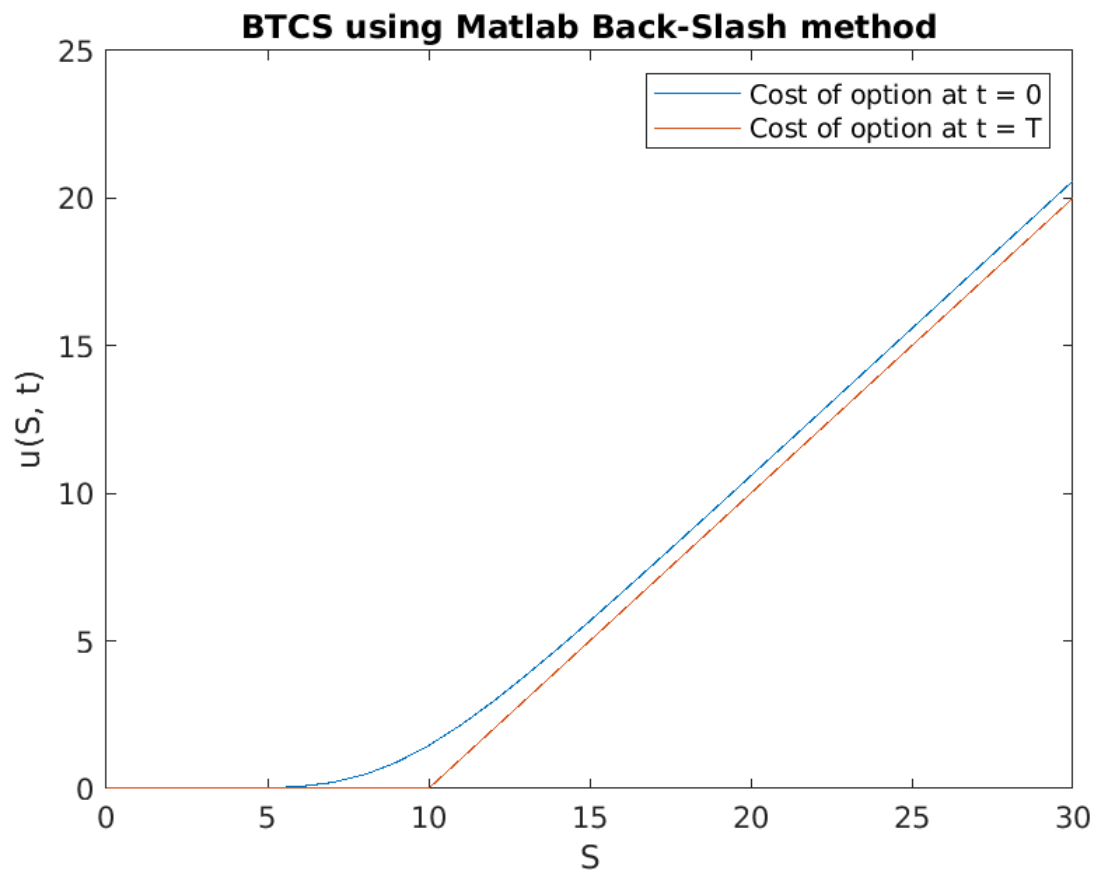
AB Satyaprakash (180123062)

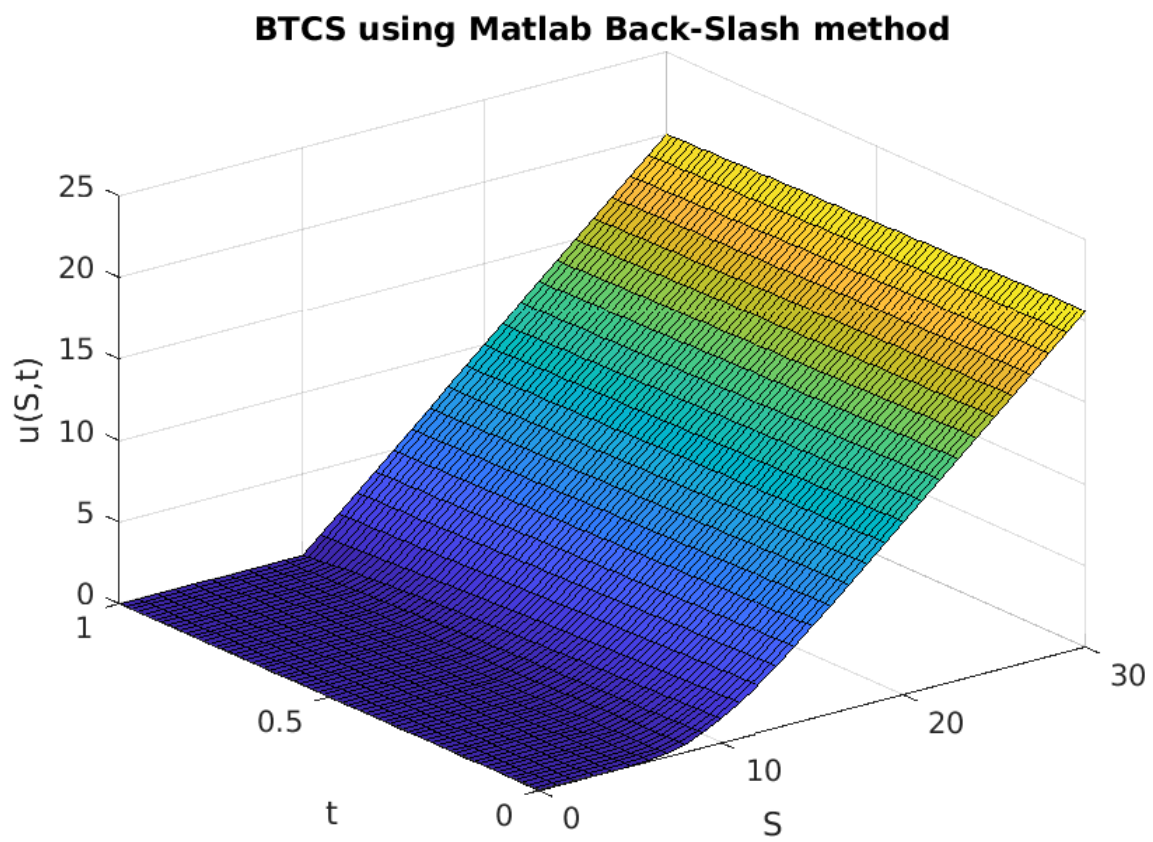
22 Aug 2021

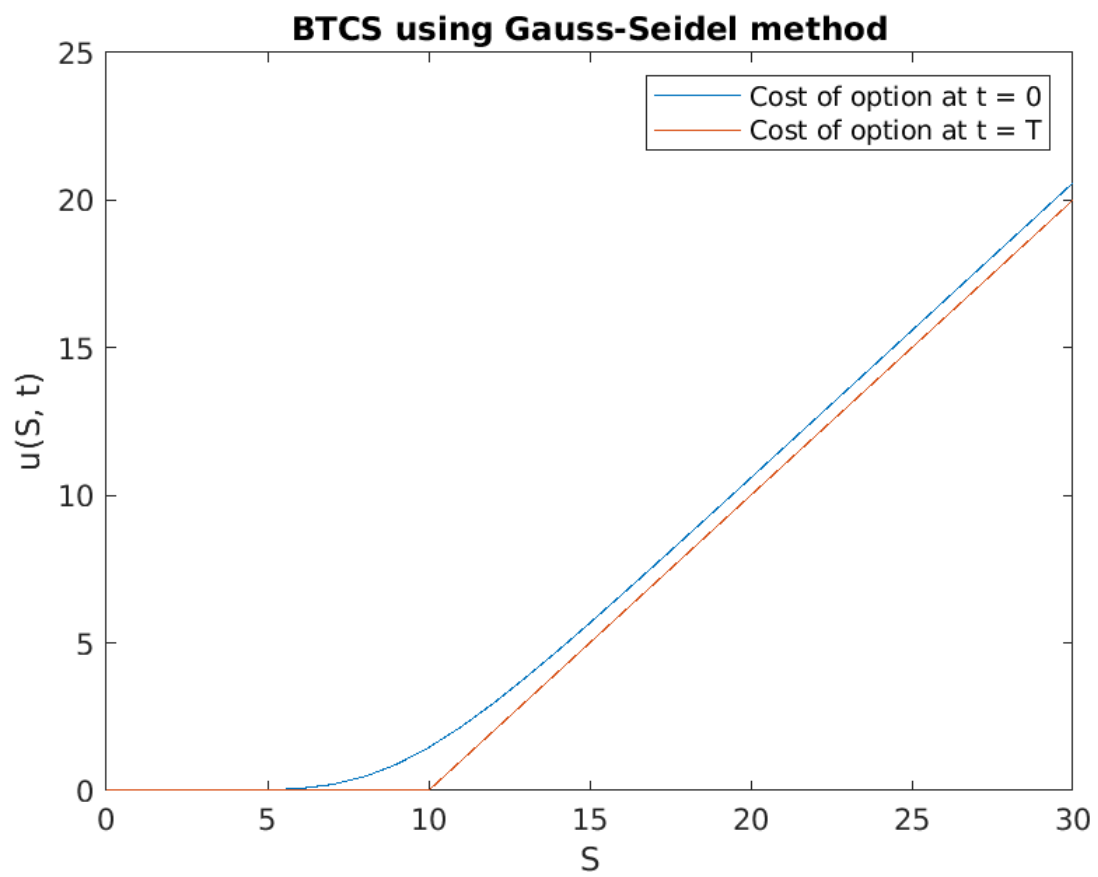
## Question 01.

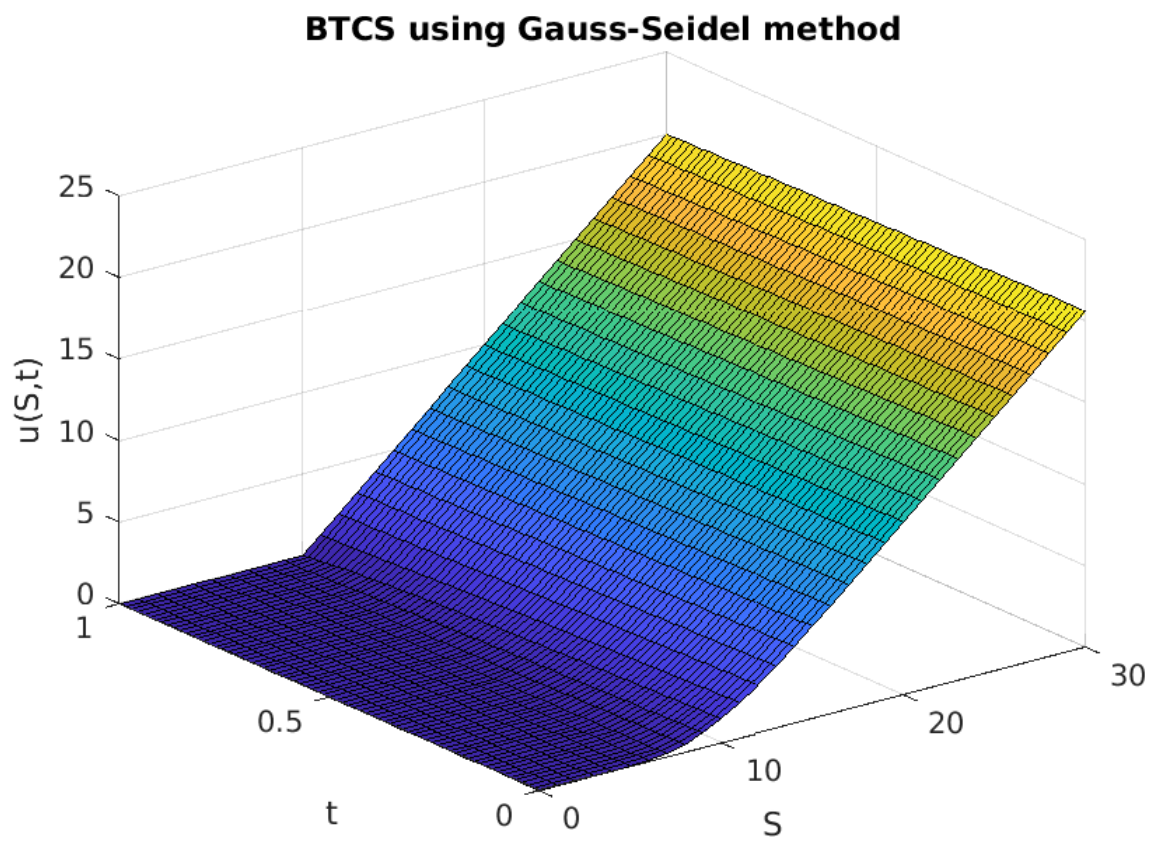


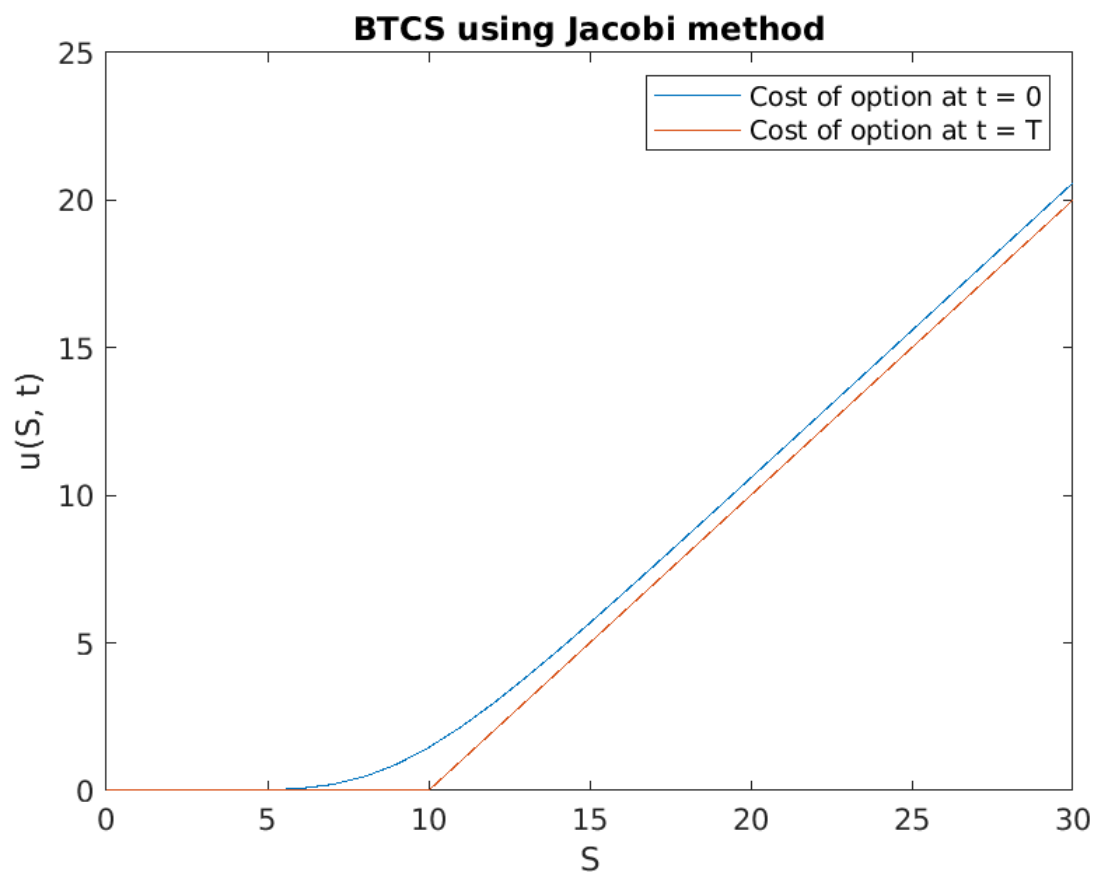




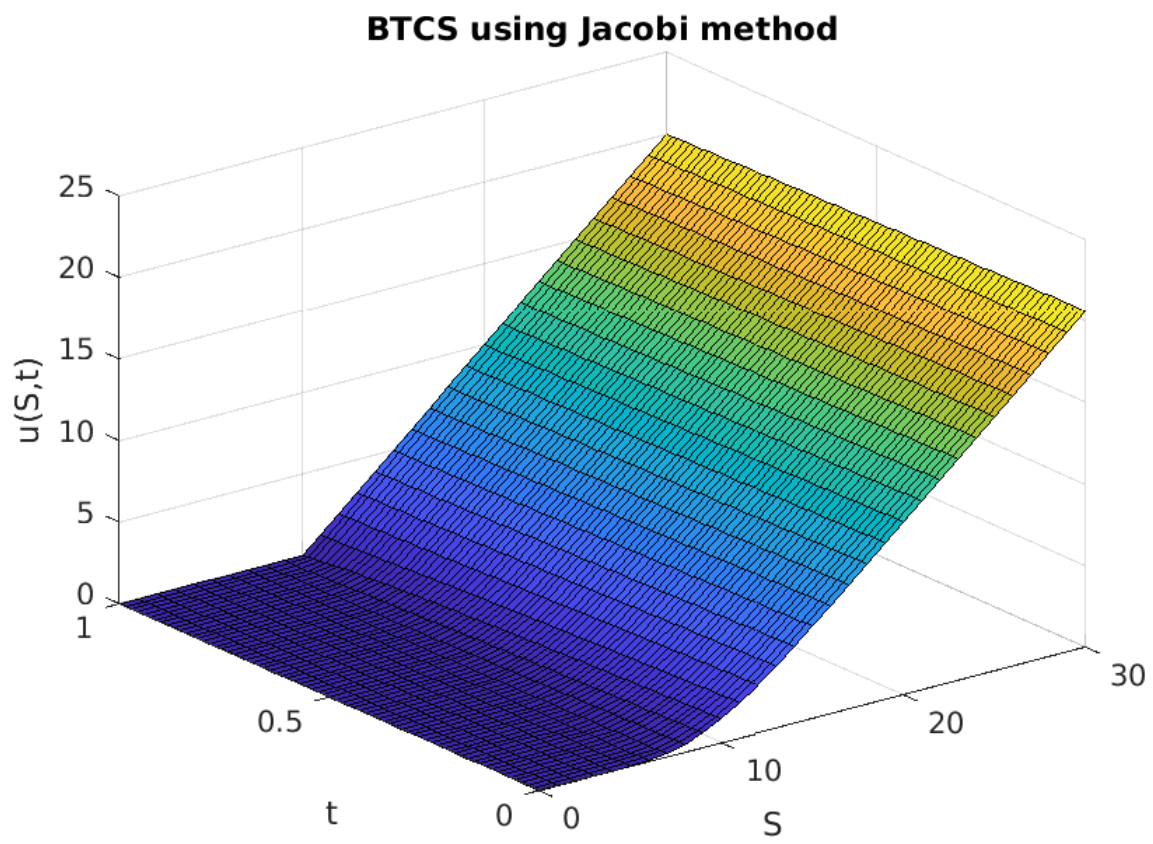


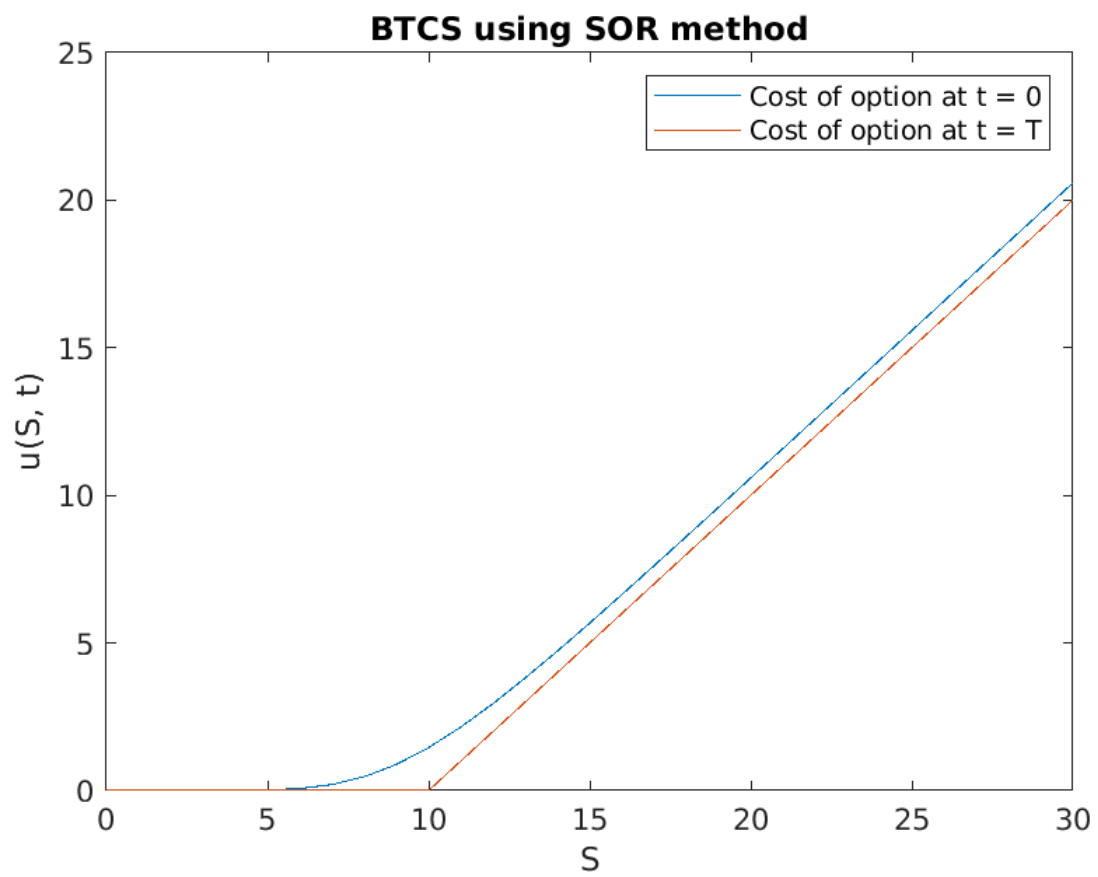


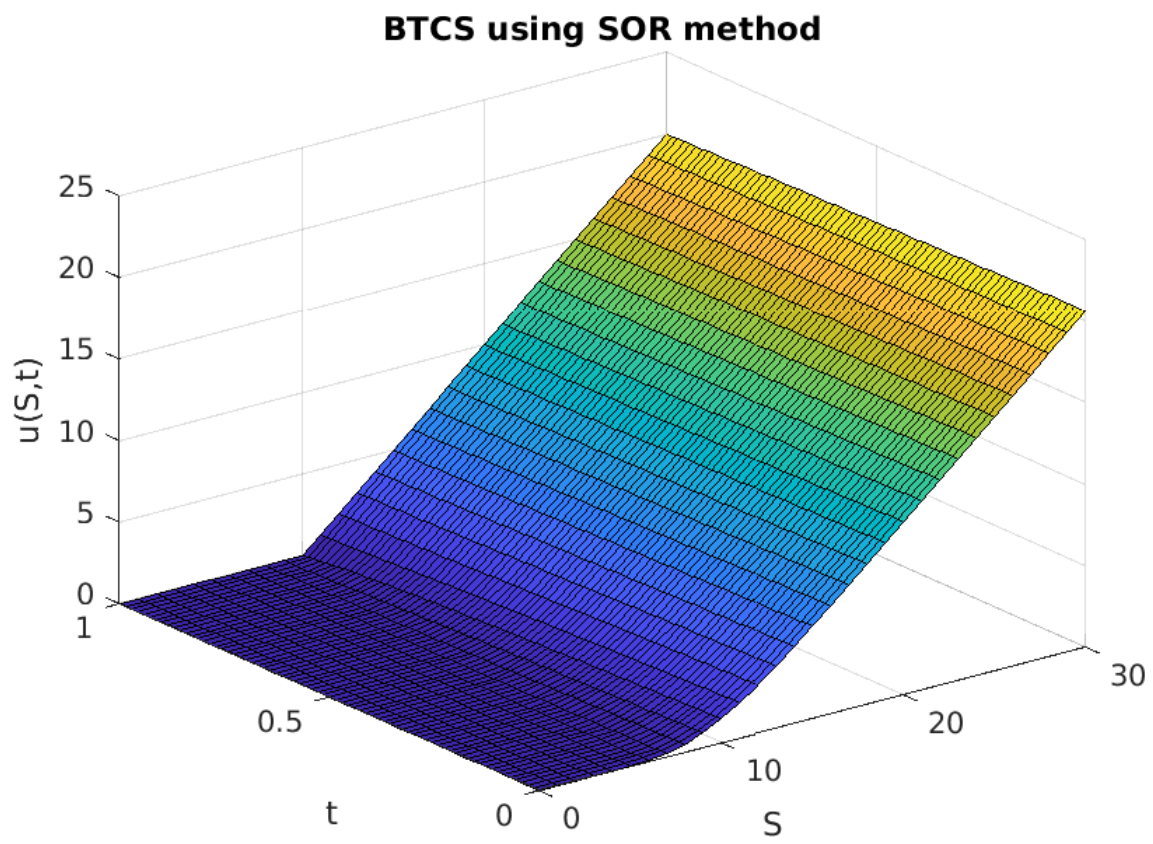


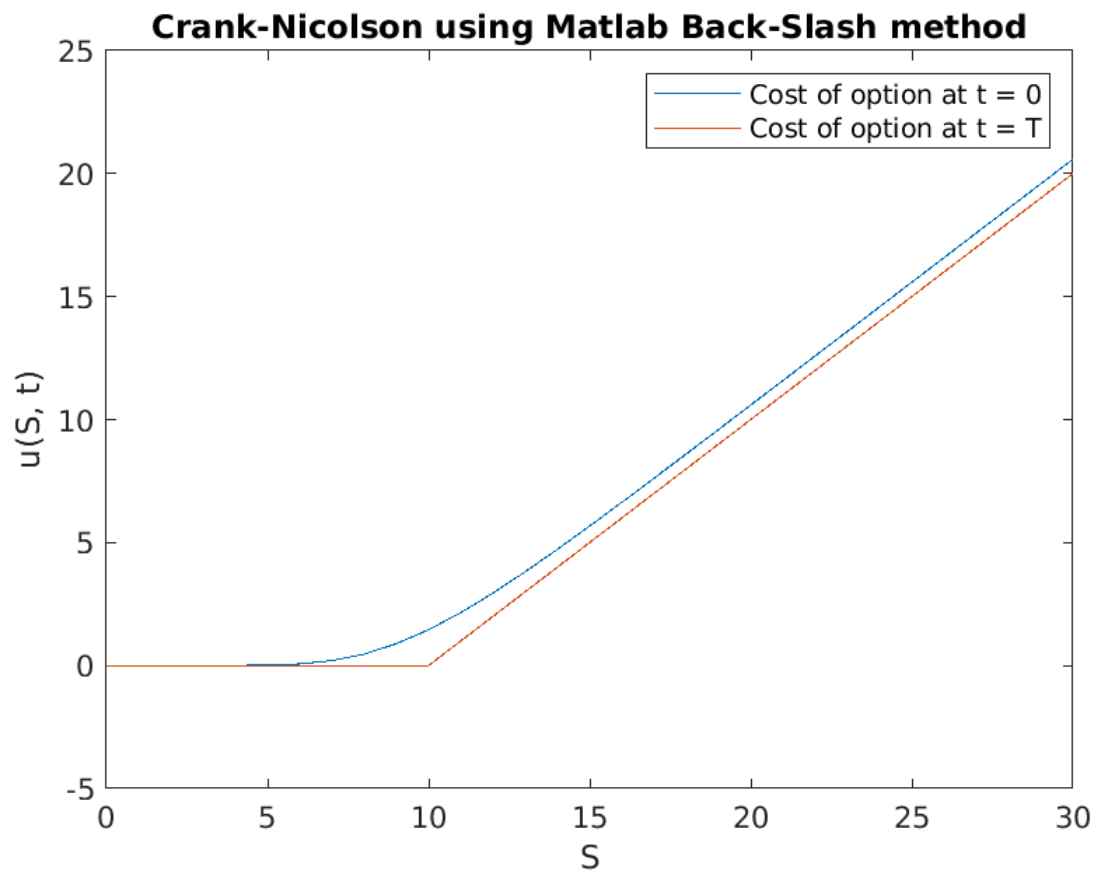


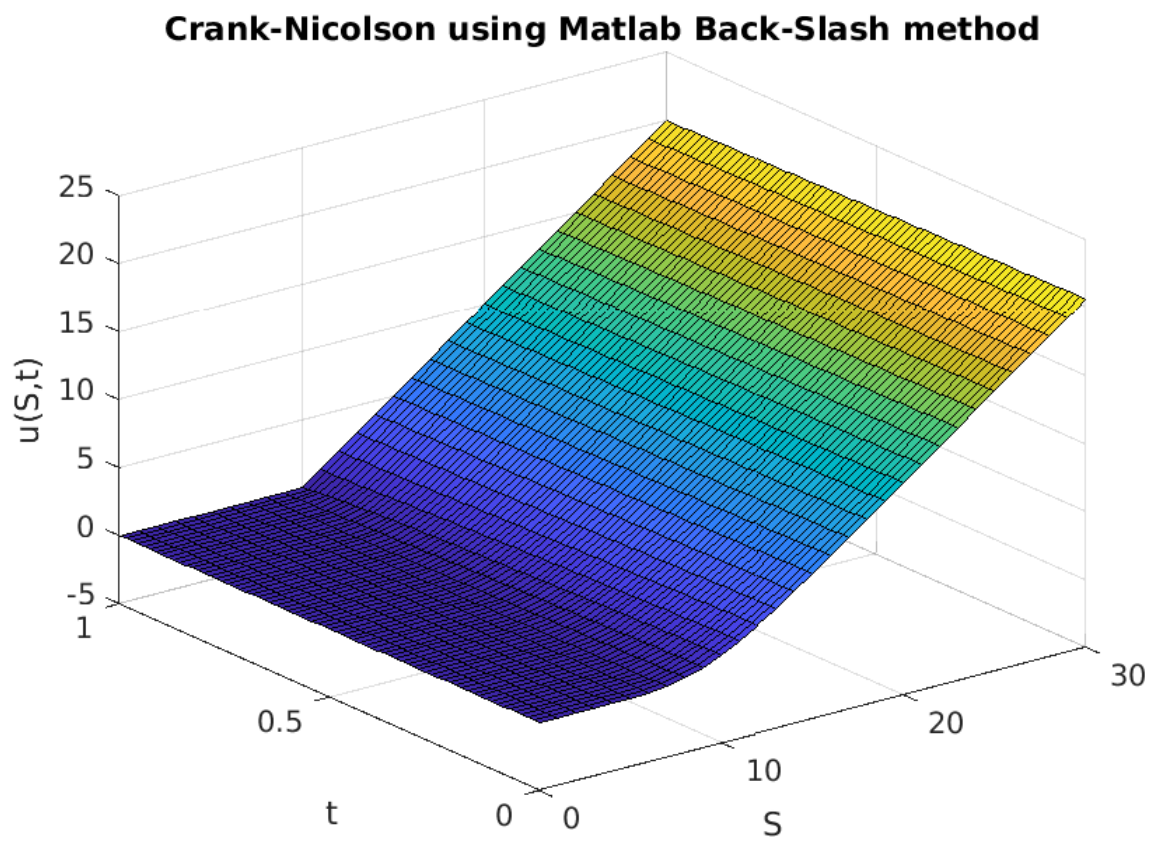


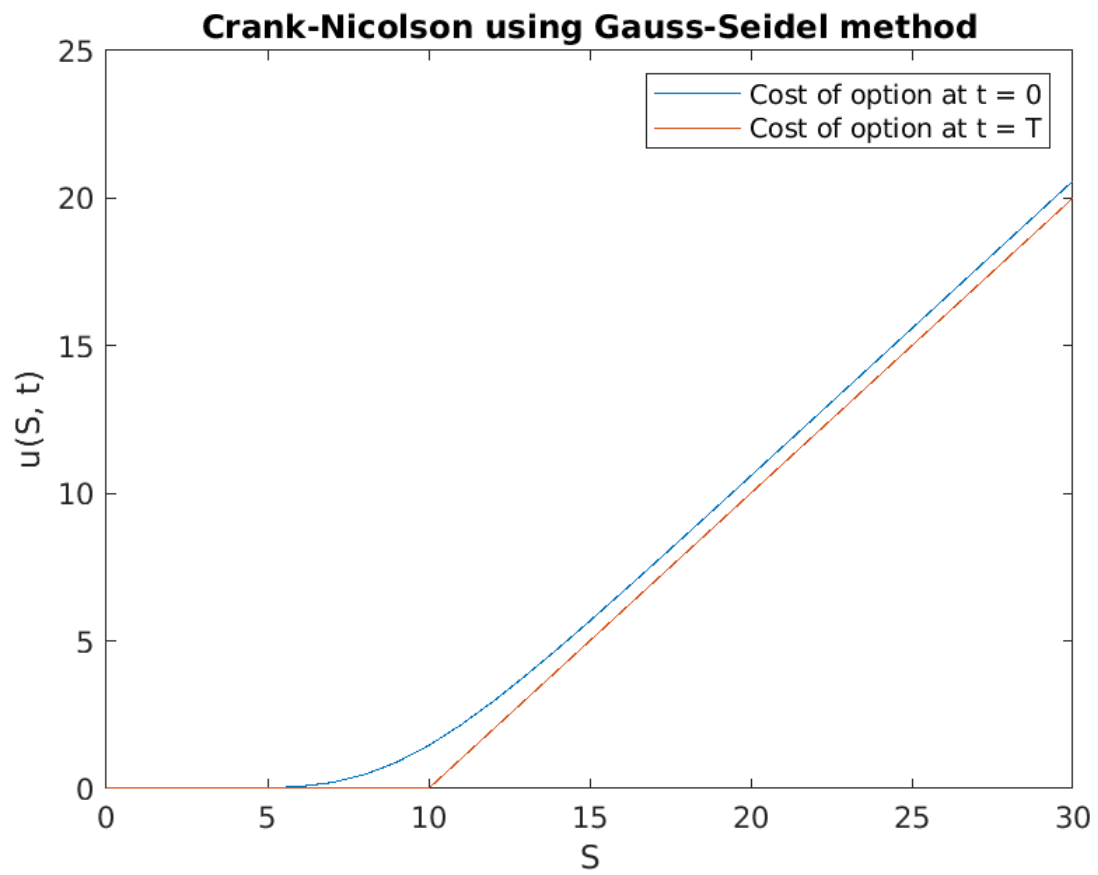


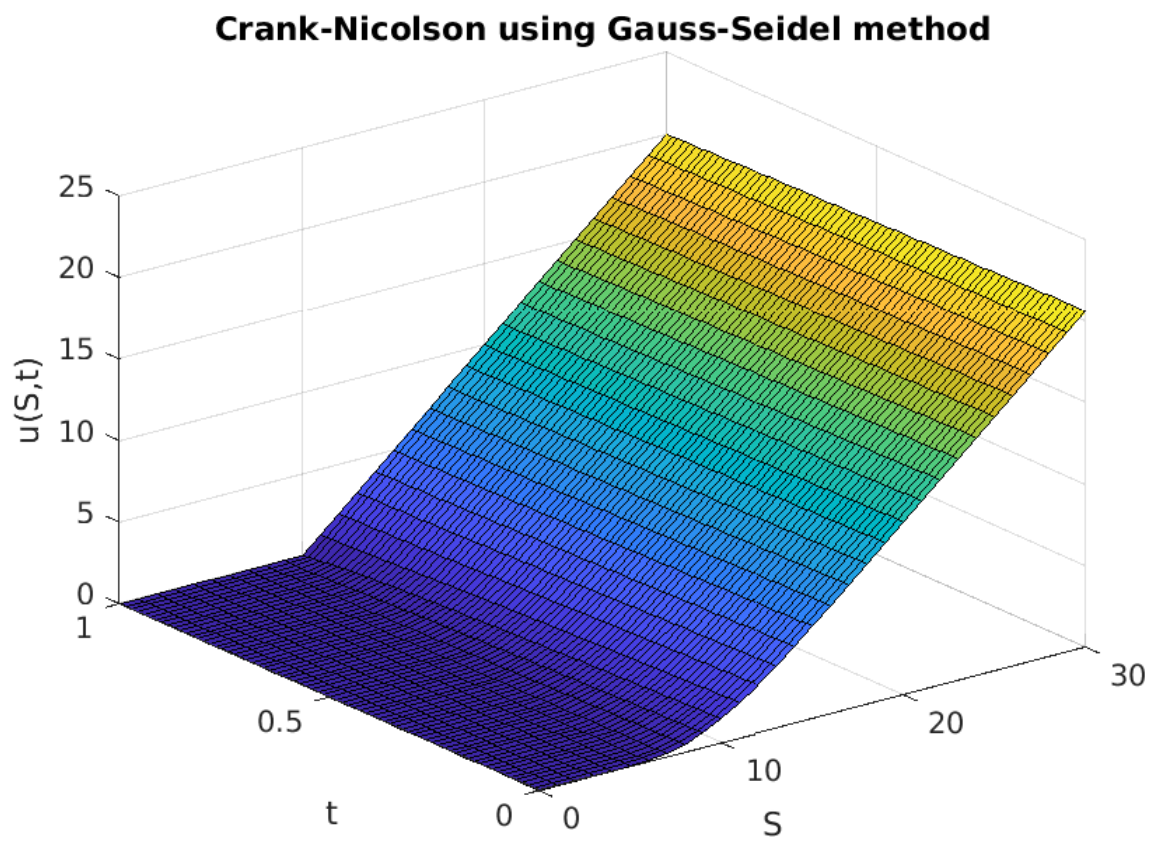


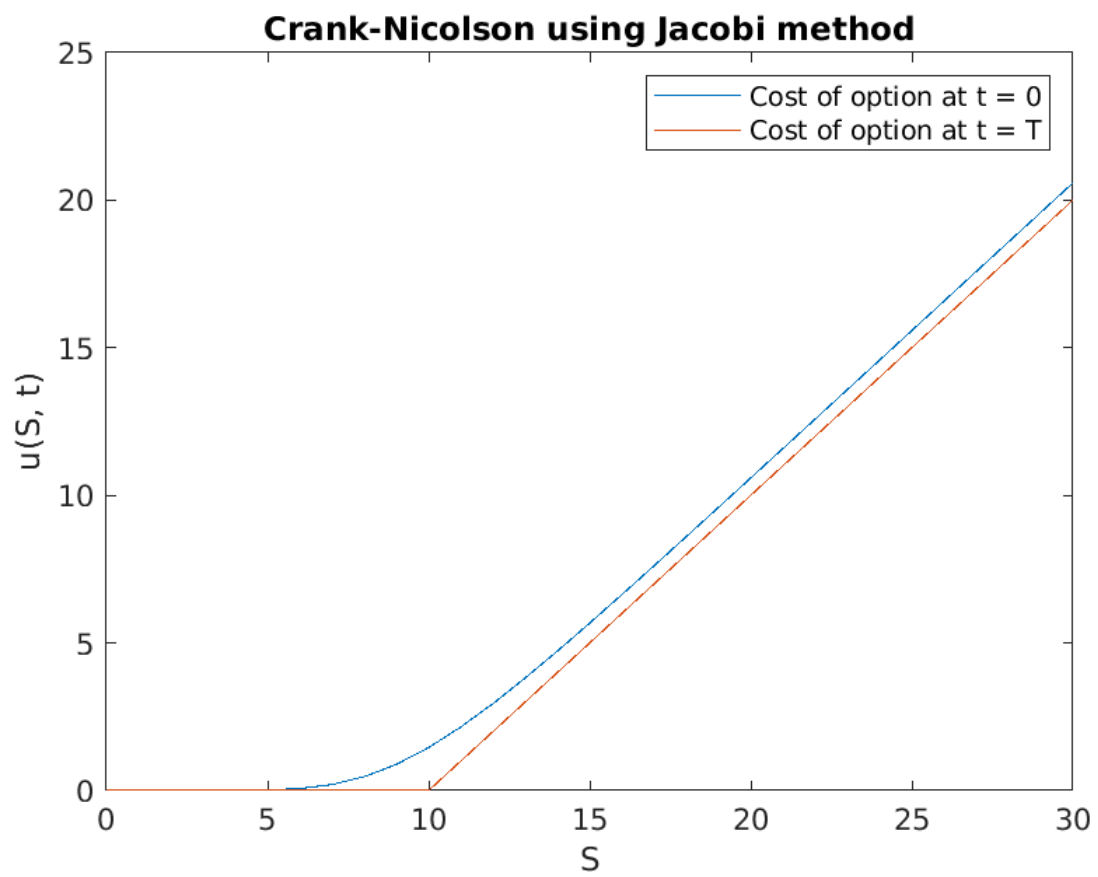




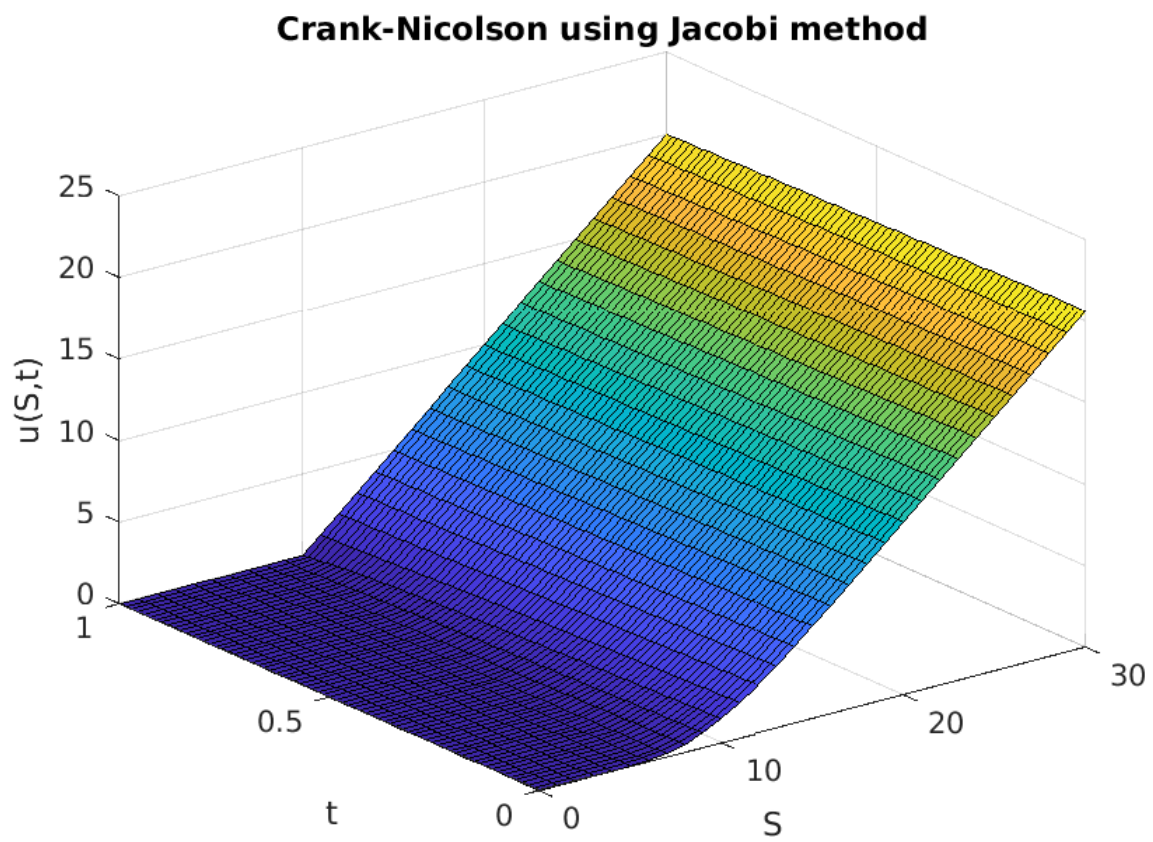


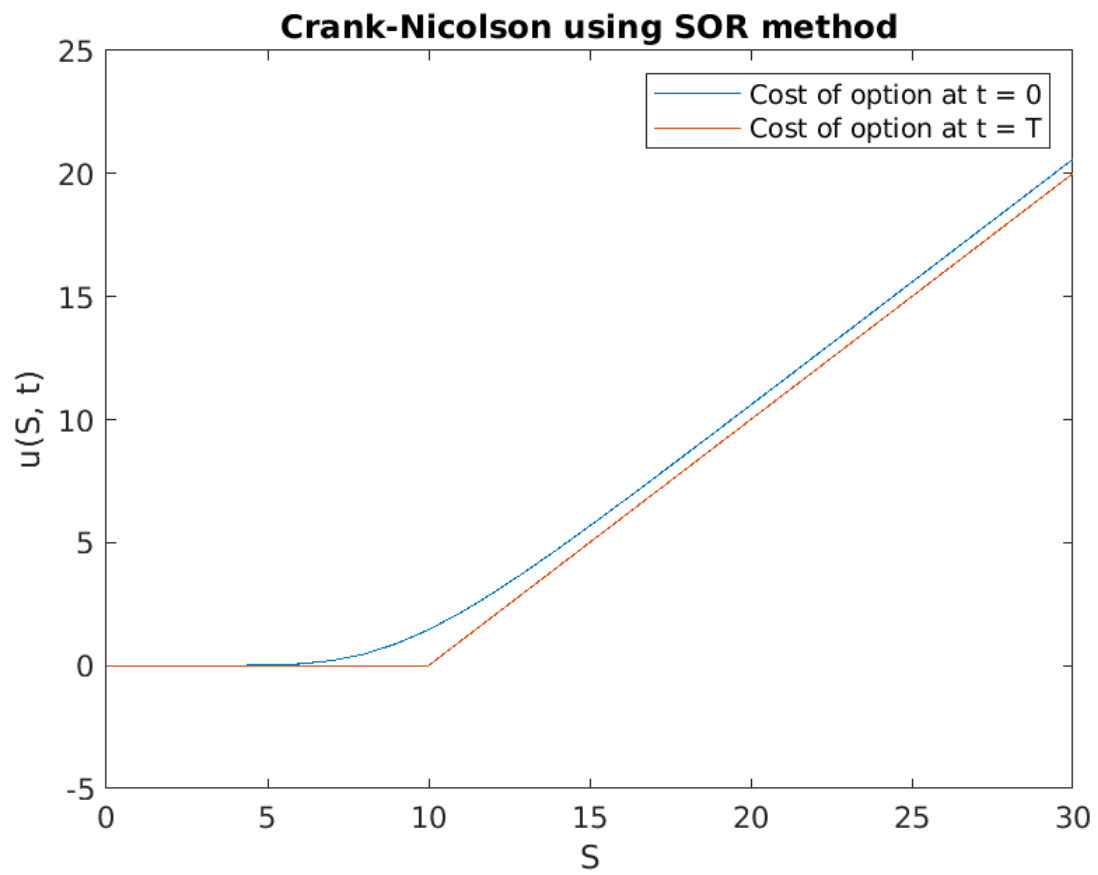


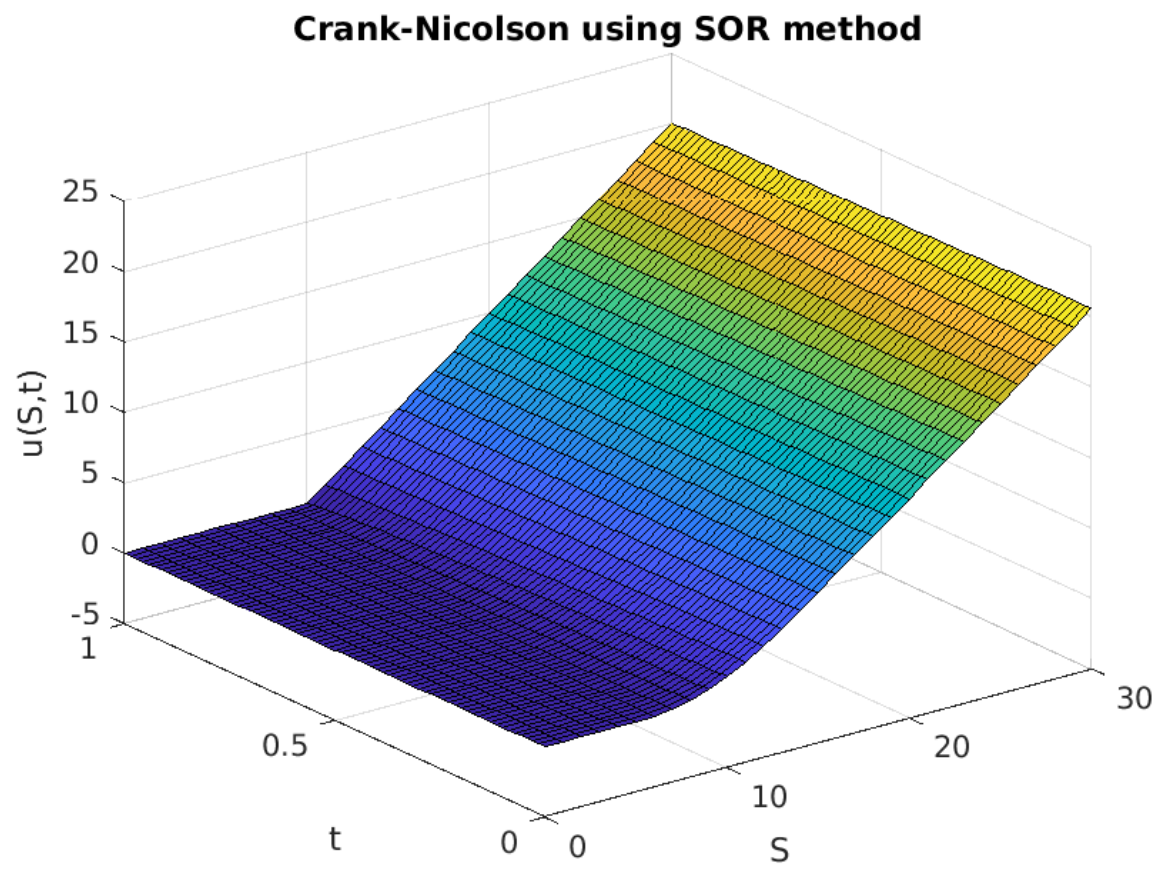




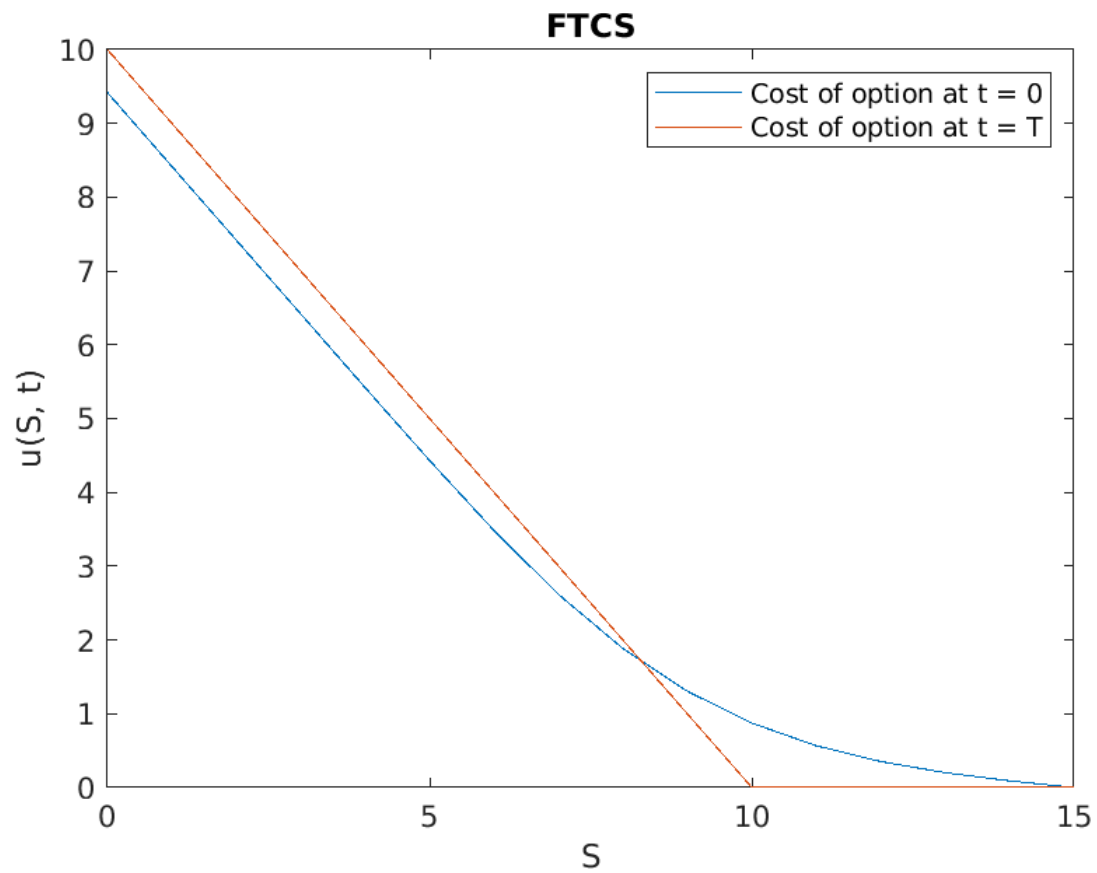


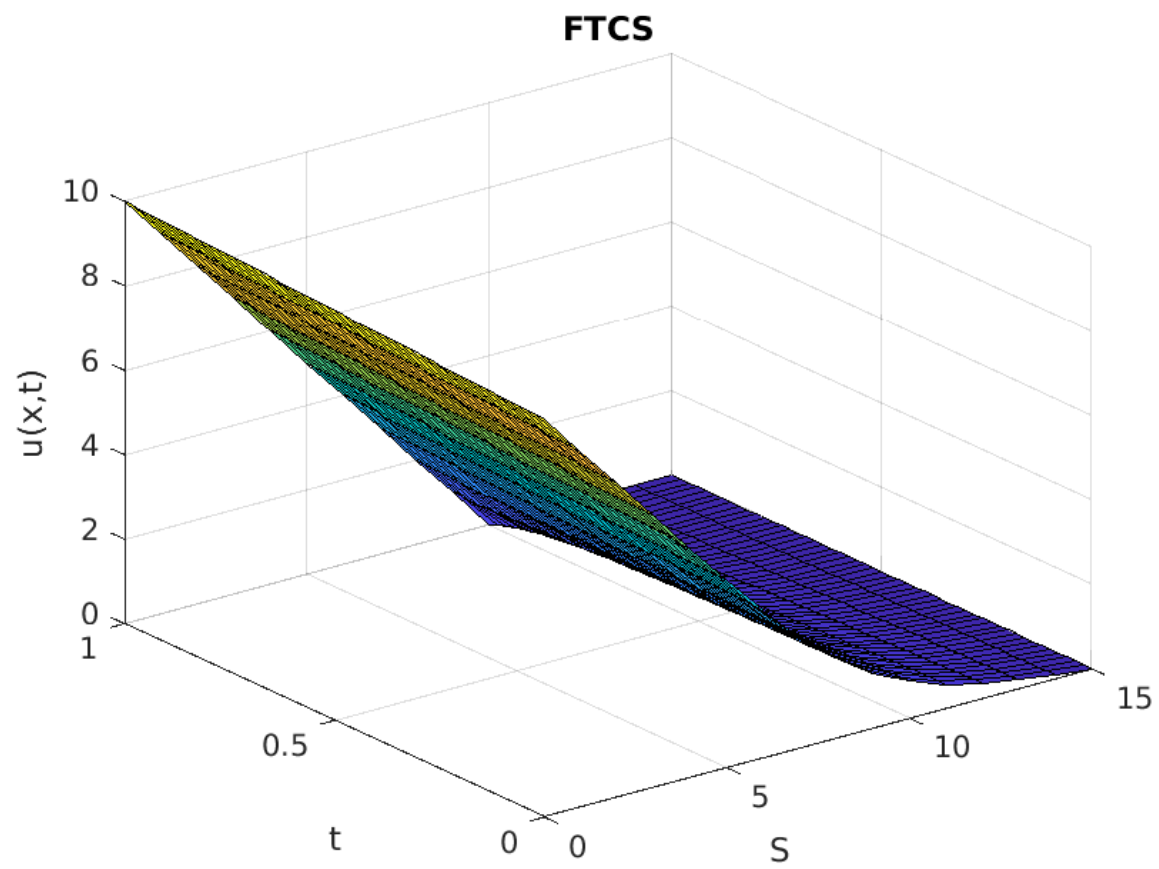


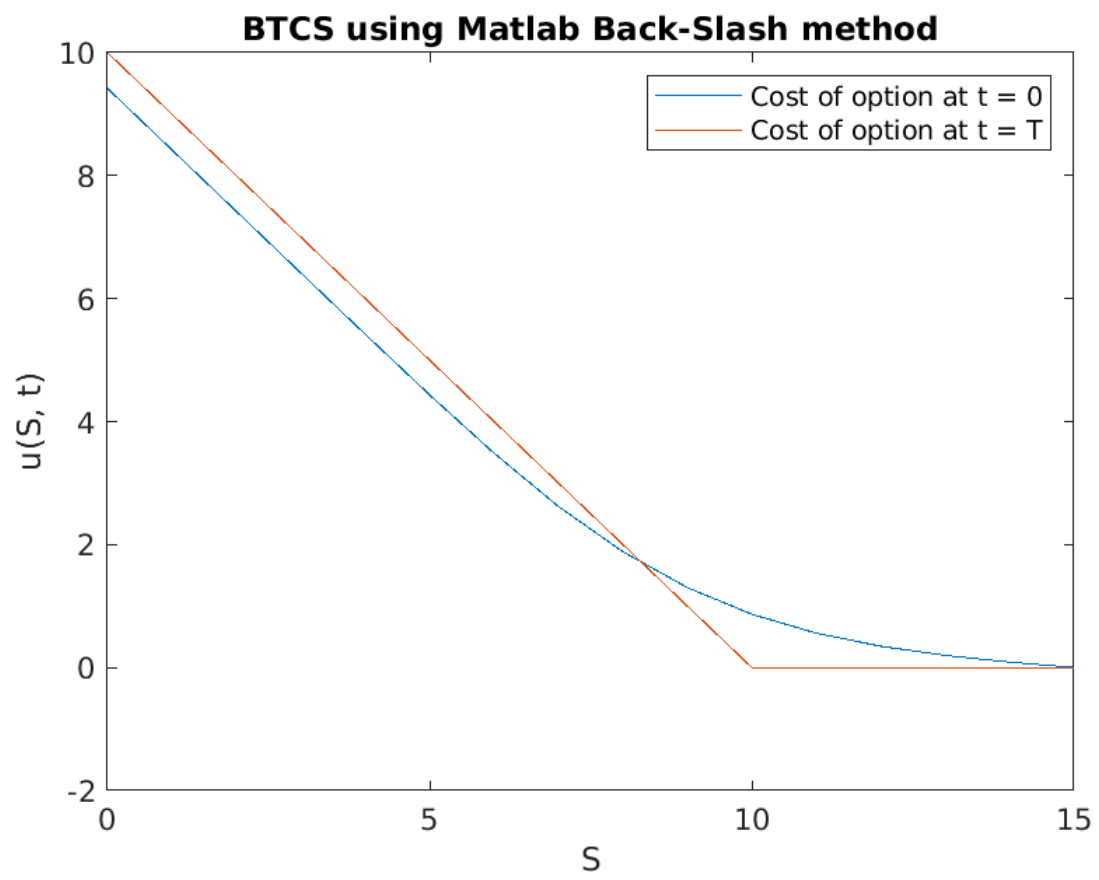


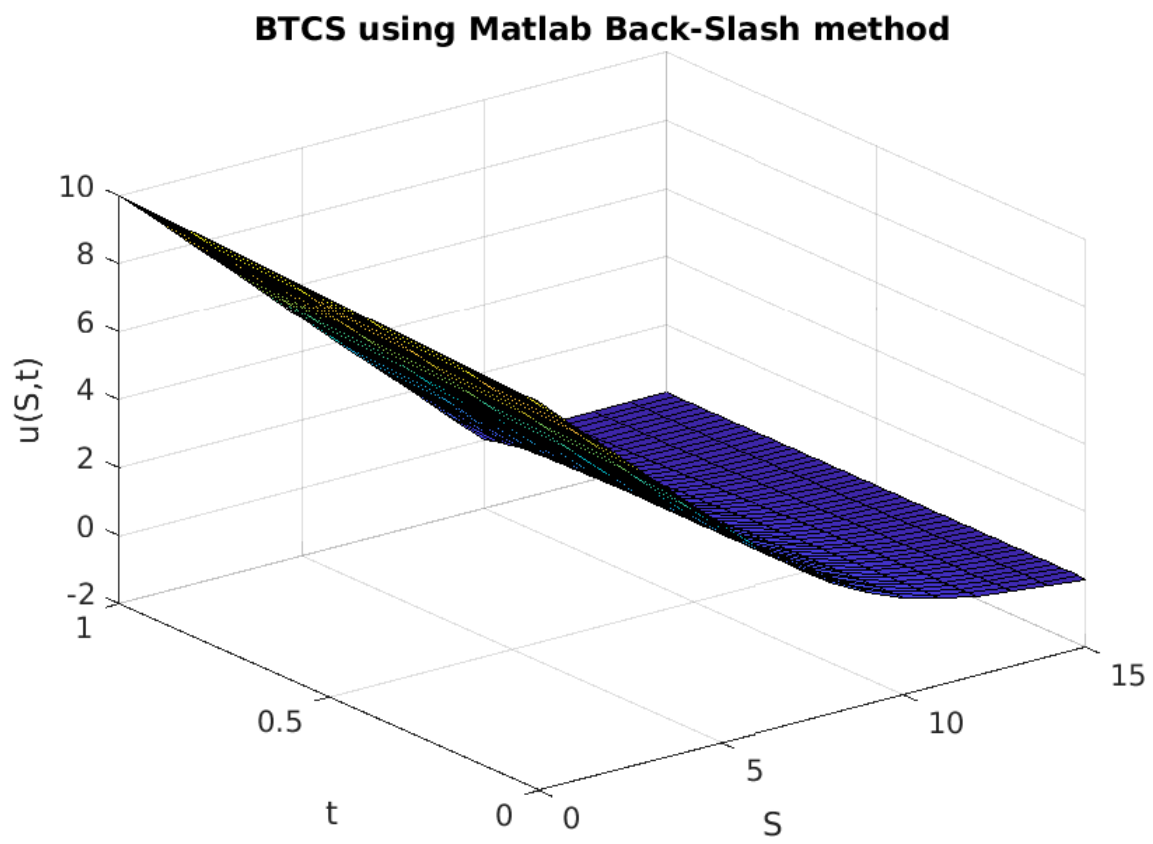


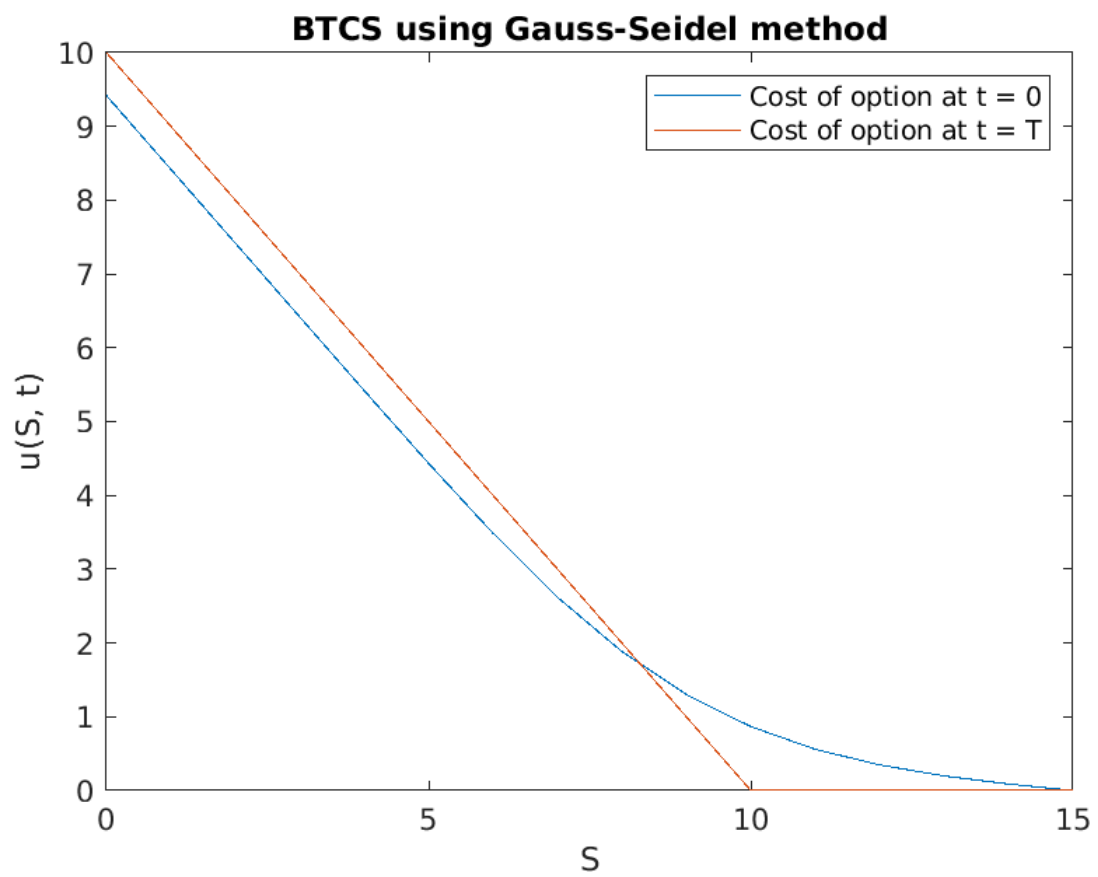
## Question 02.



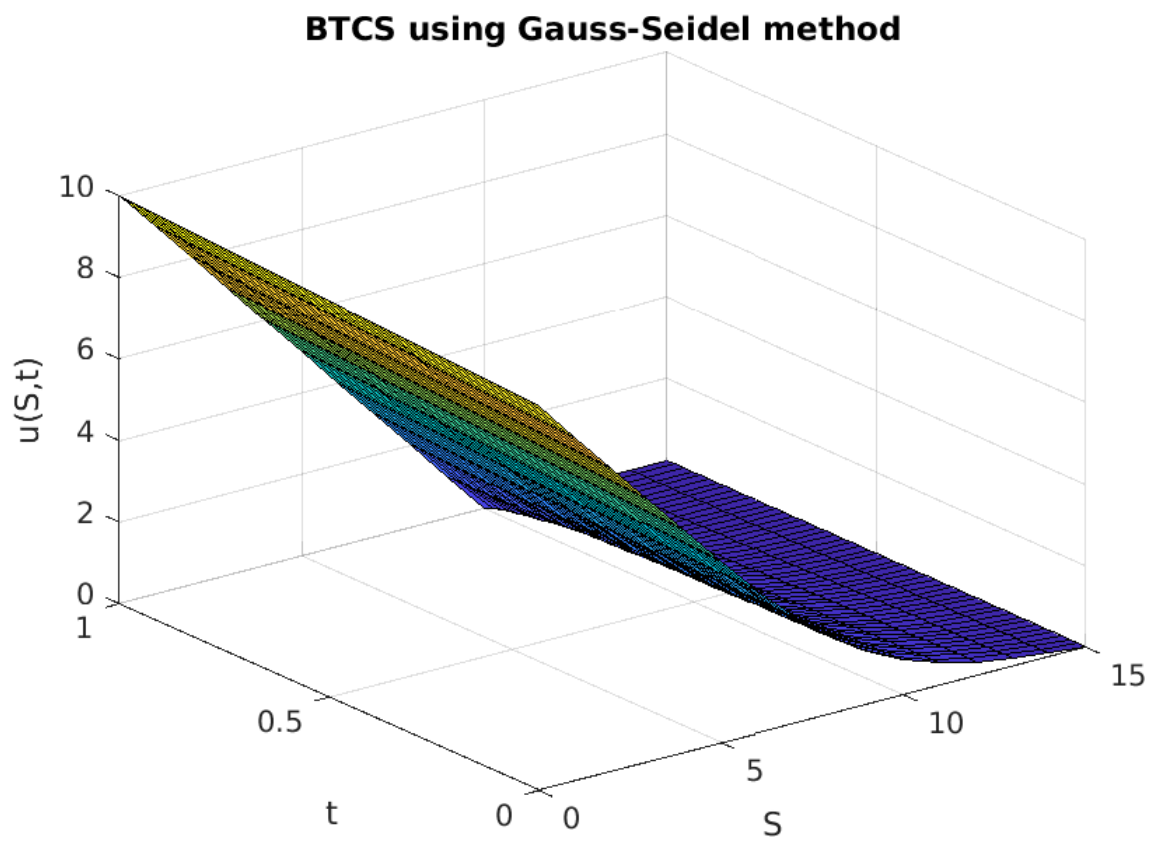


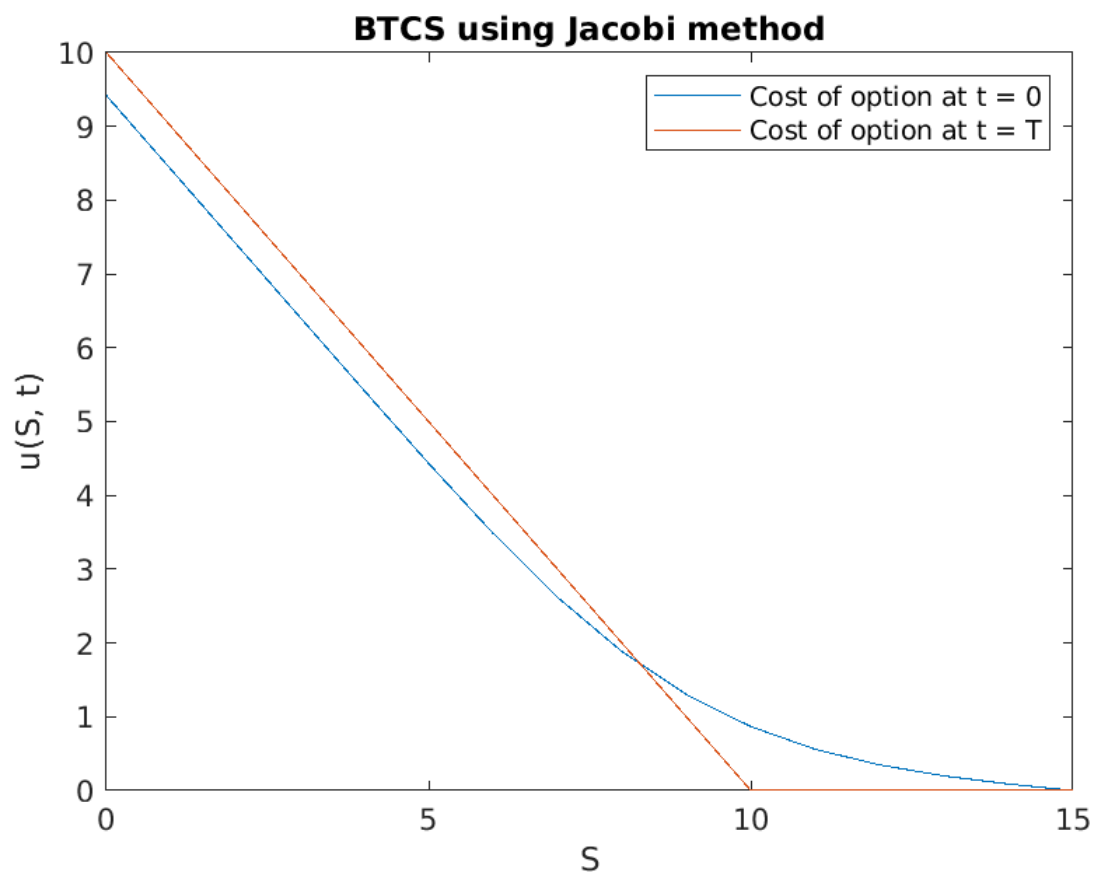


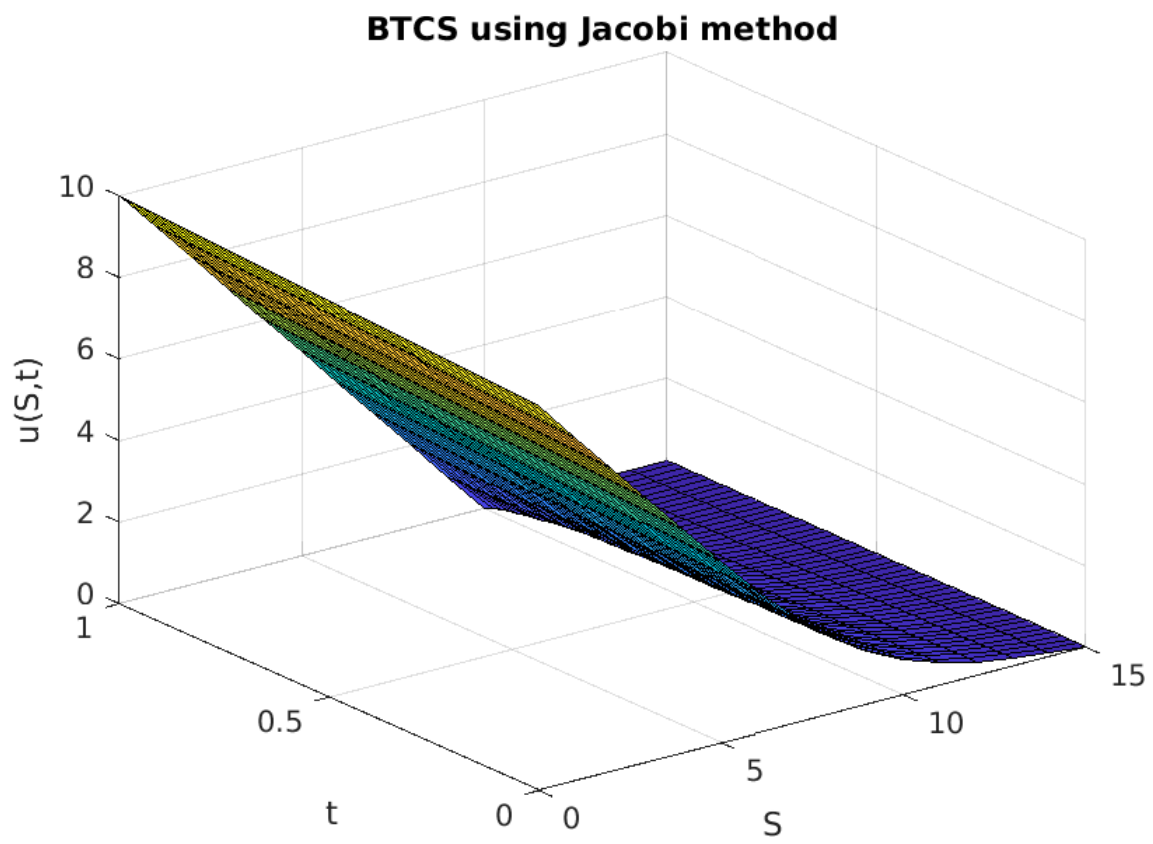


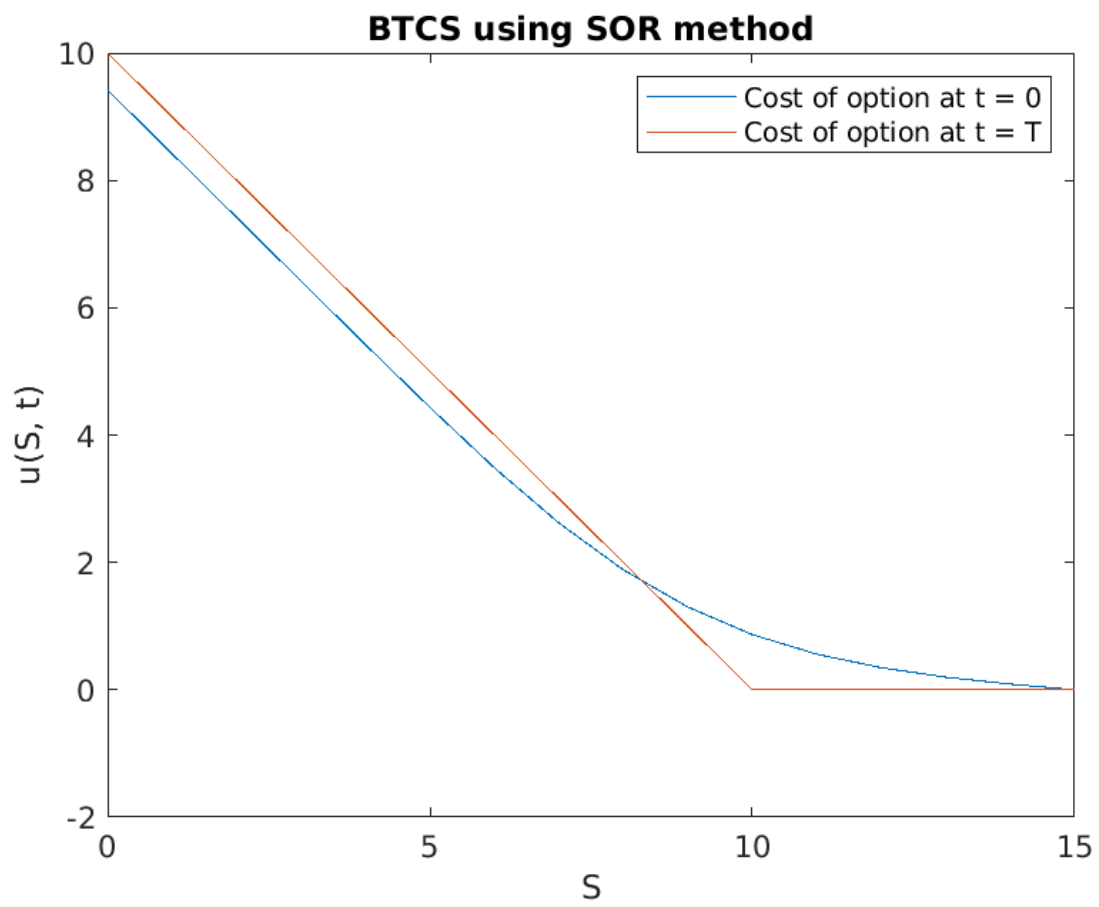


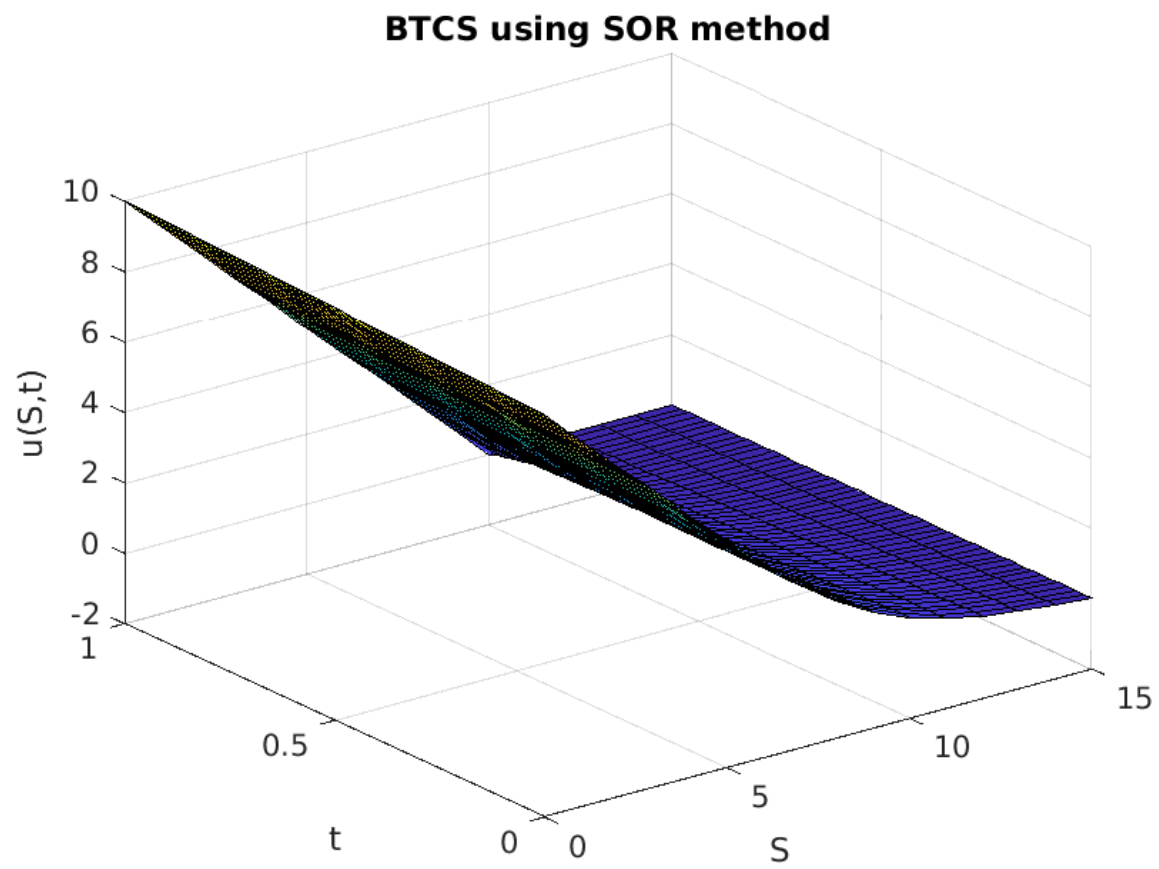


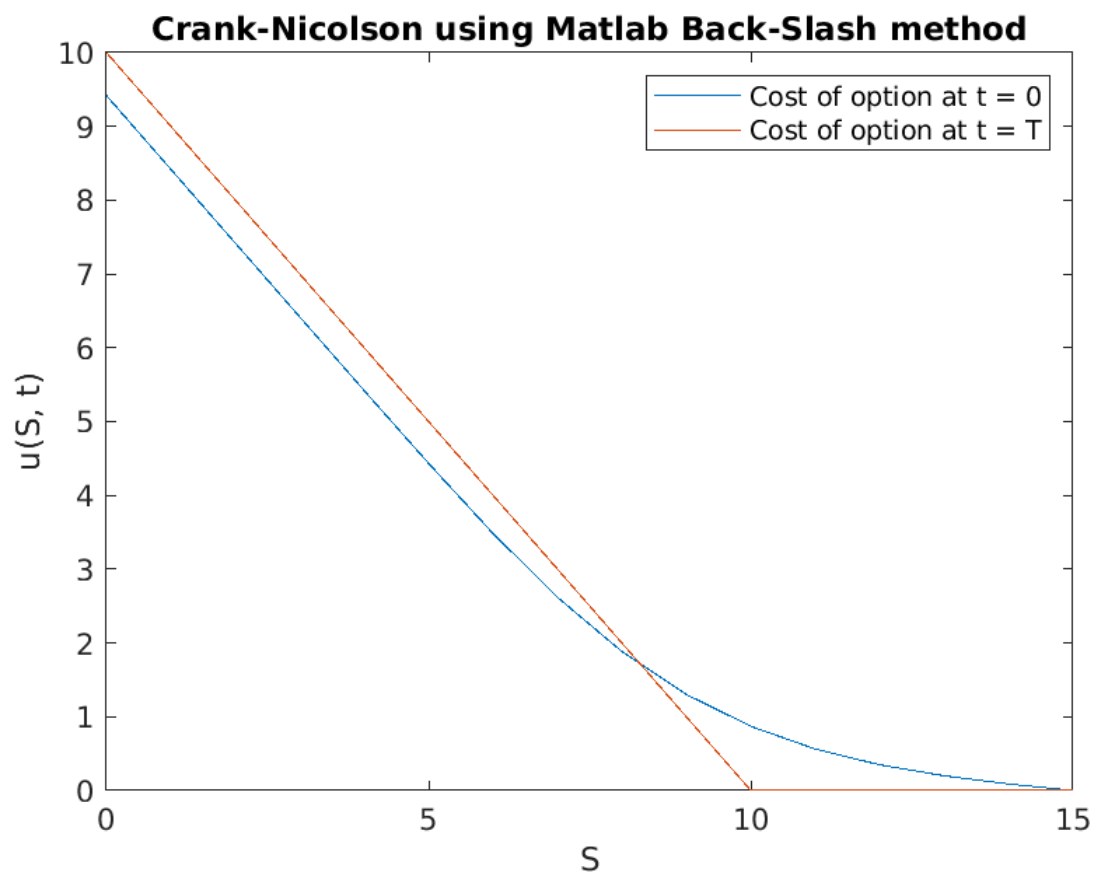




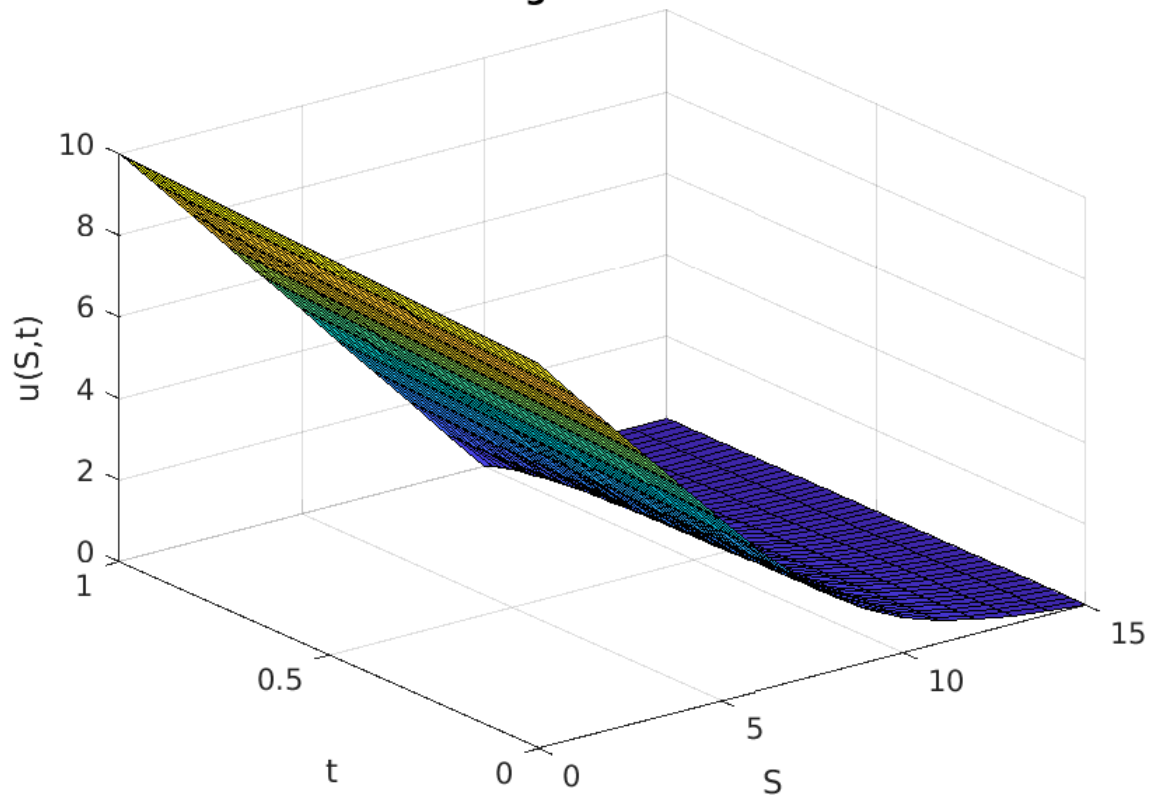


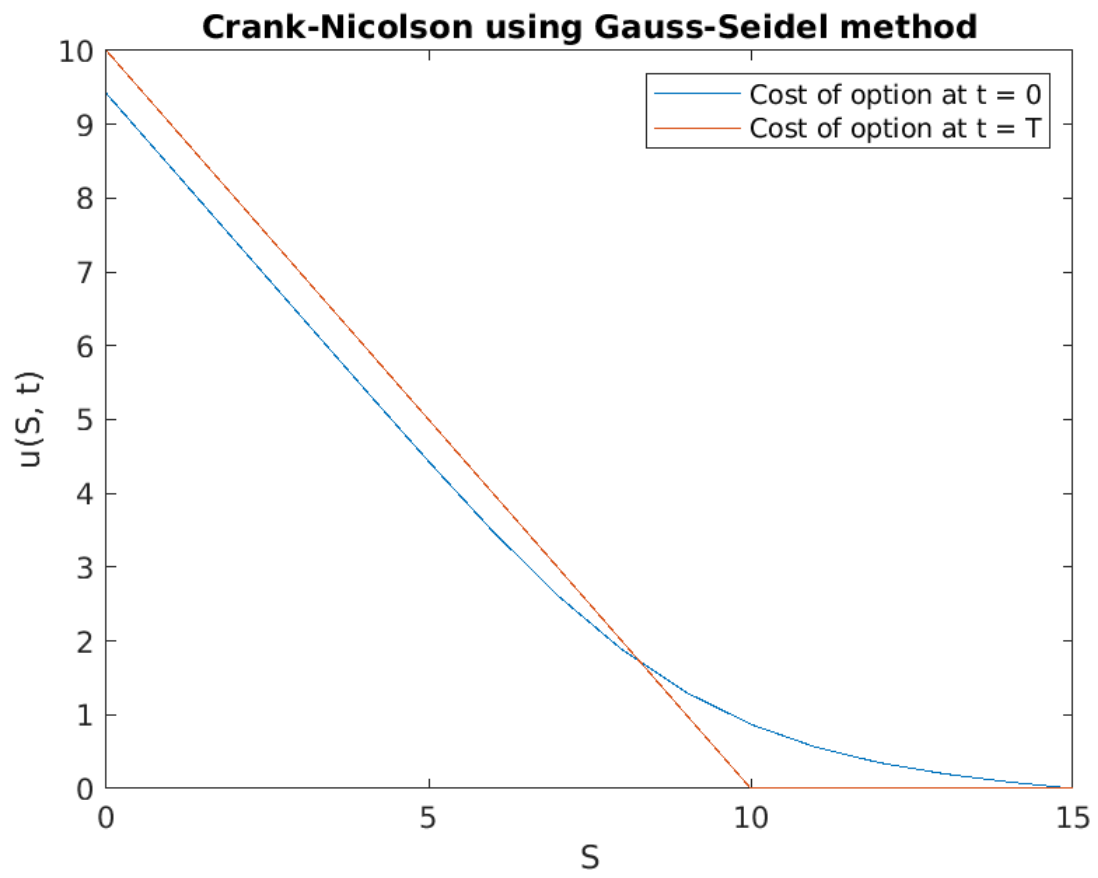






### Crank-Nicolson using Matlab Back-Slash method







### Crank-Nicolson using Gauss-Seidel method

