

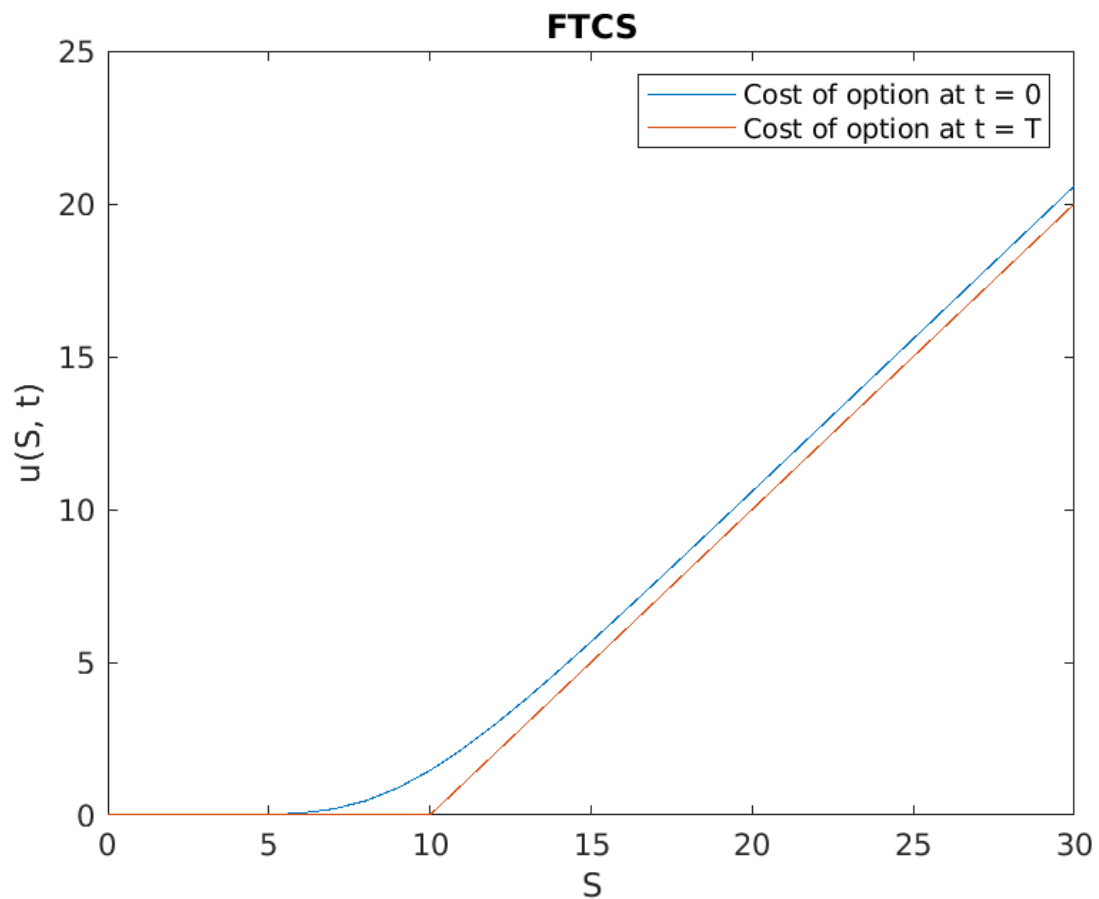
# Computational Finance MA473 Lab 03

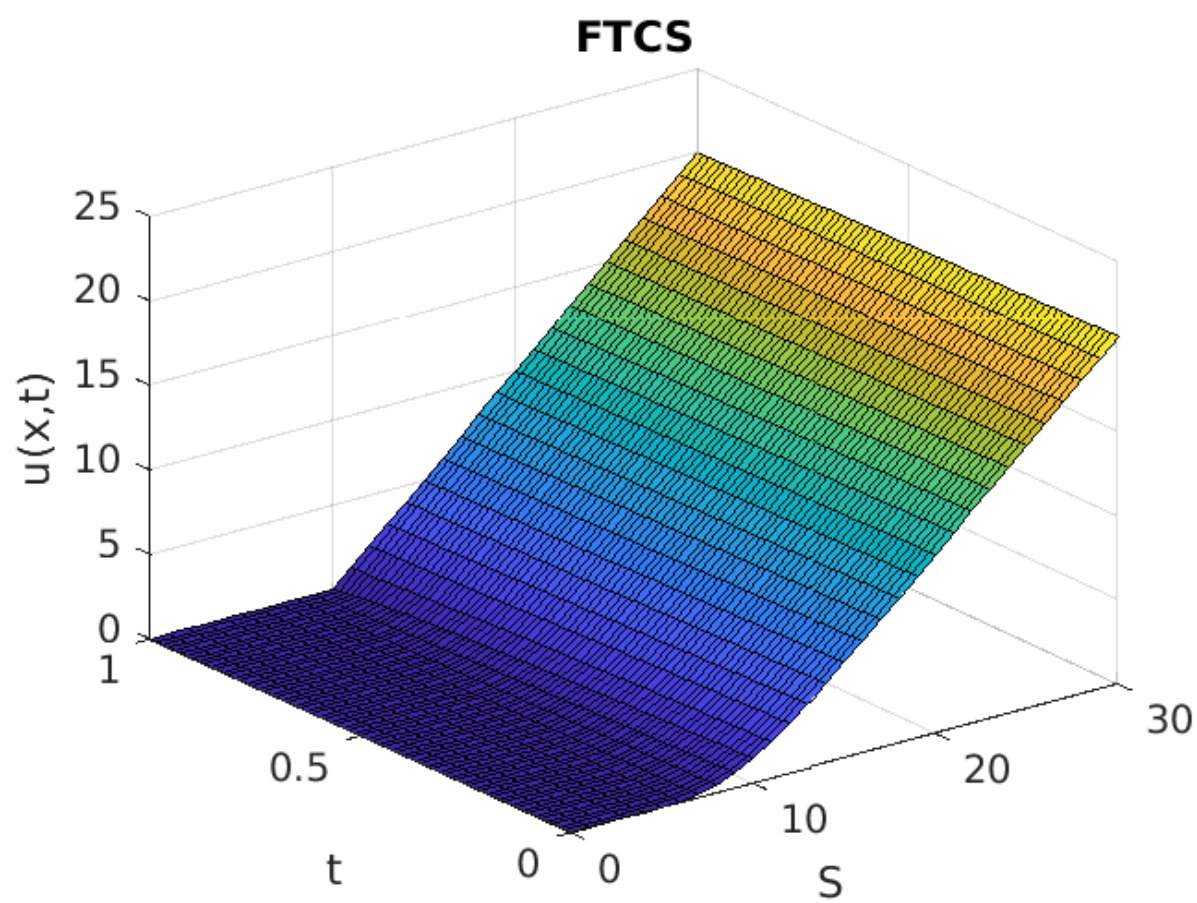
Name: **Naman Goyal**

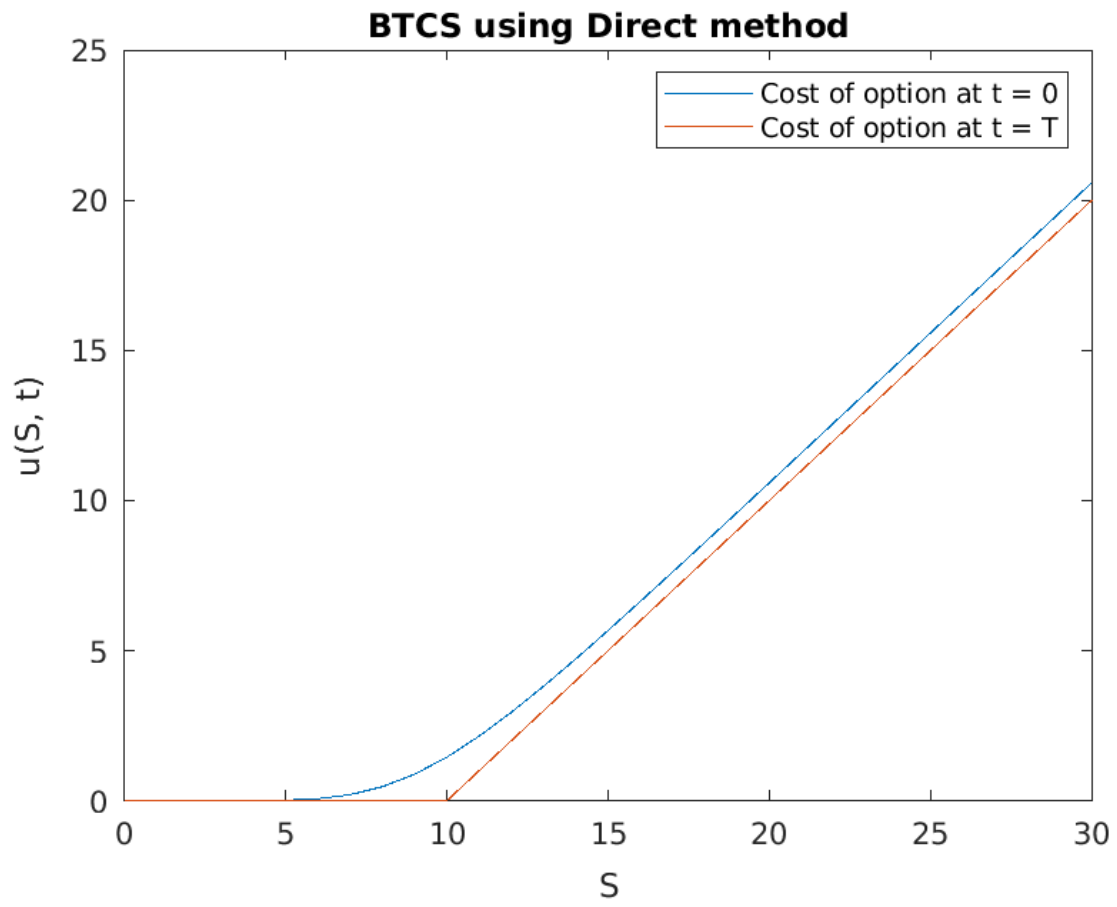
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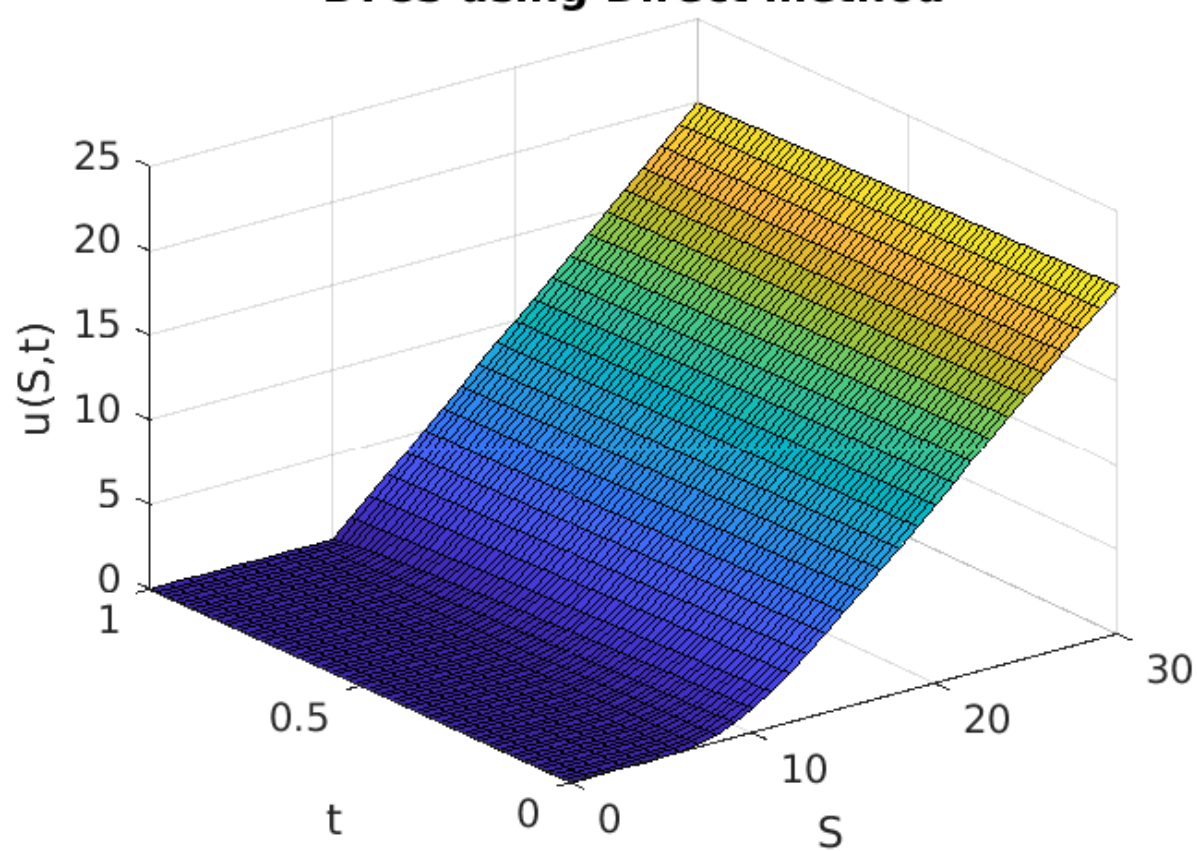
Ques.1

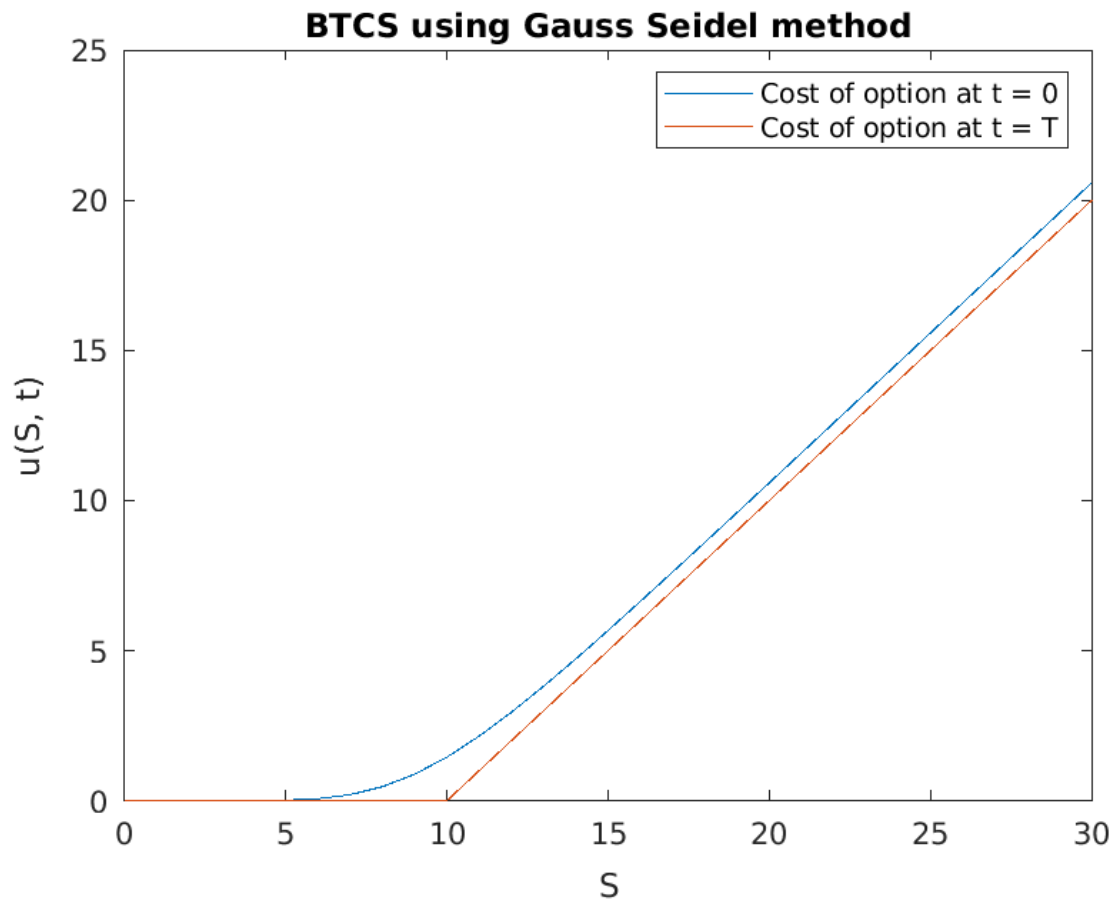




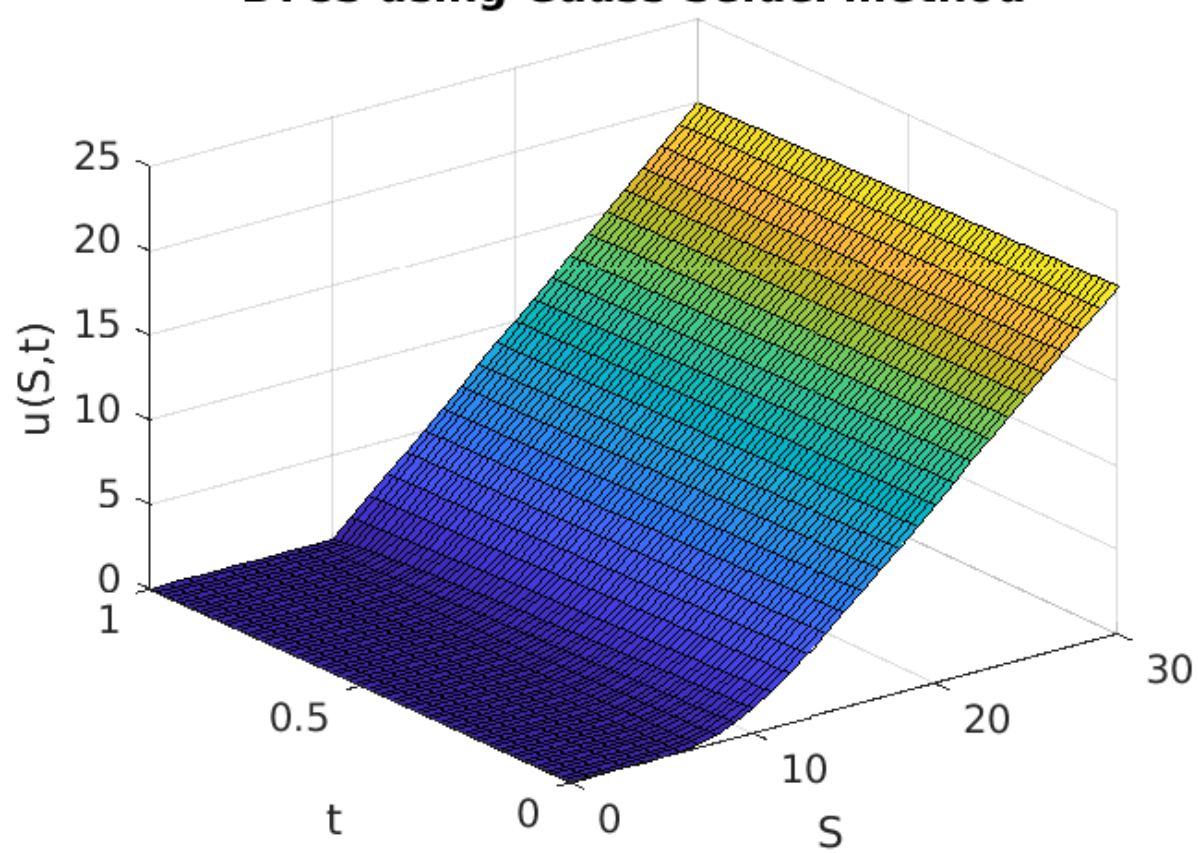


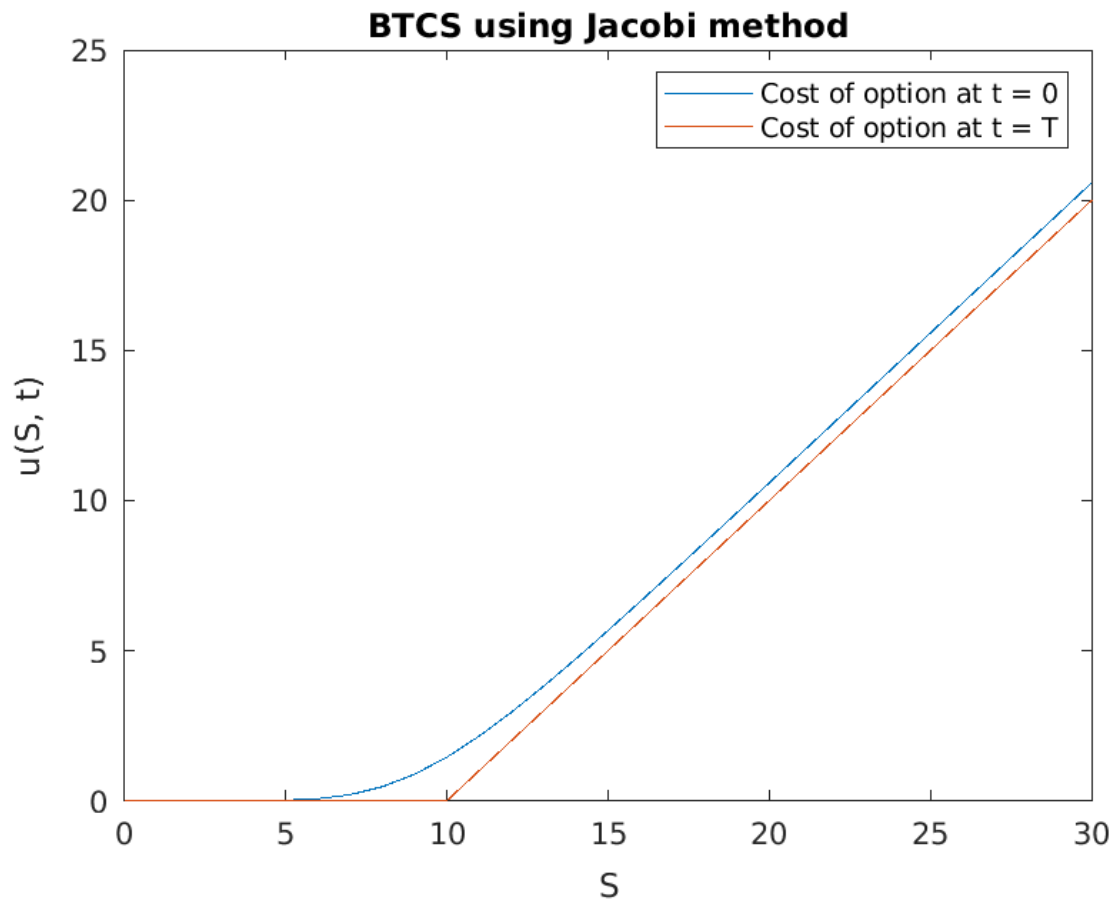
### BTCS using Direct method



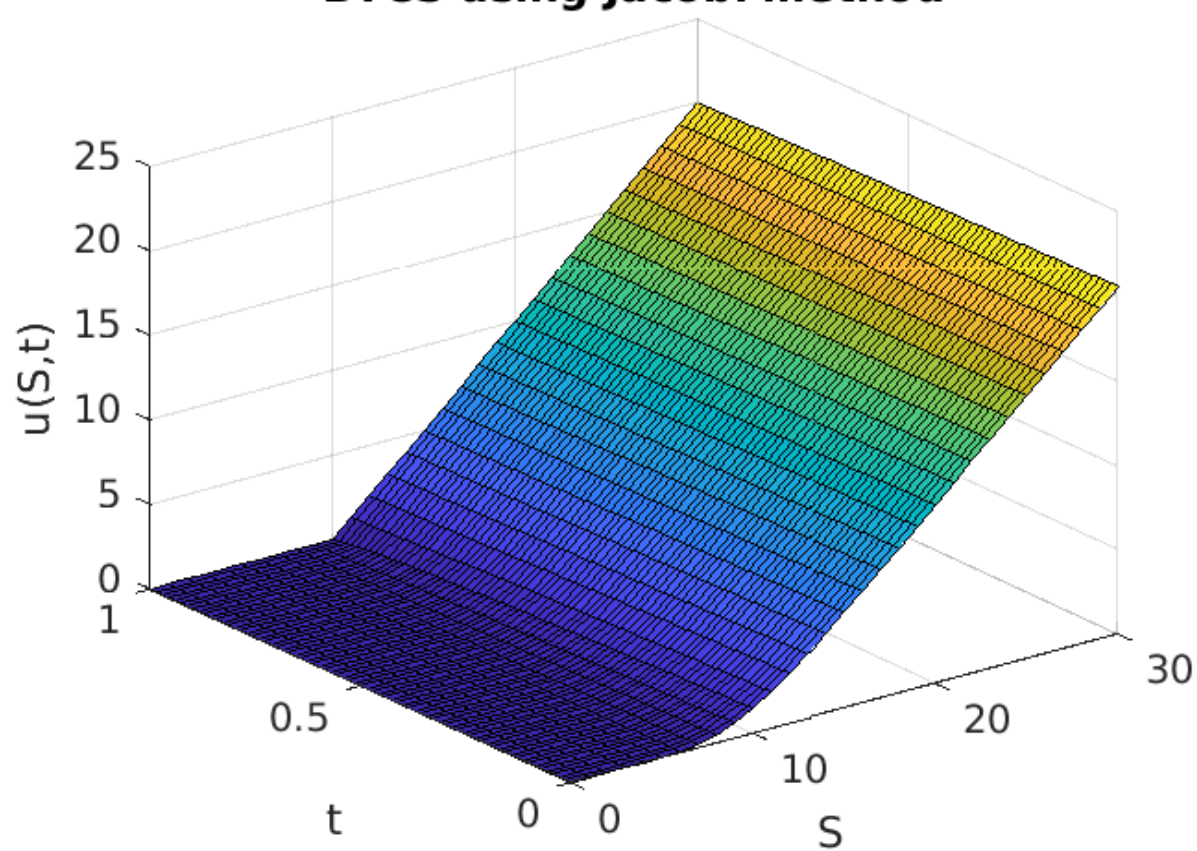


### BTCS using Gauss Seidel method

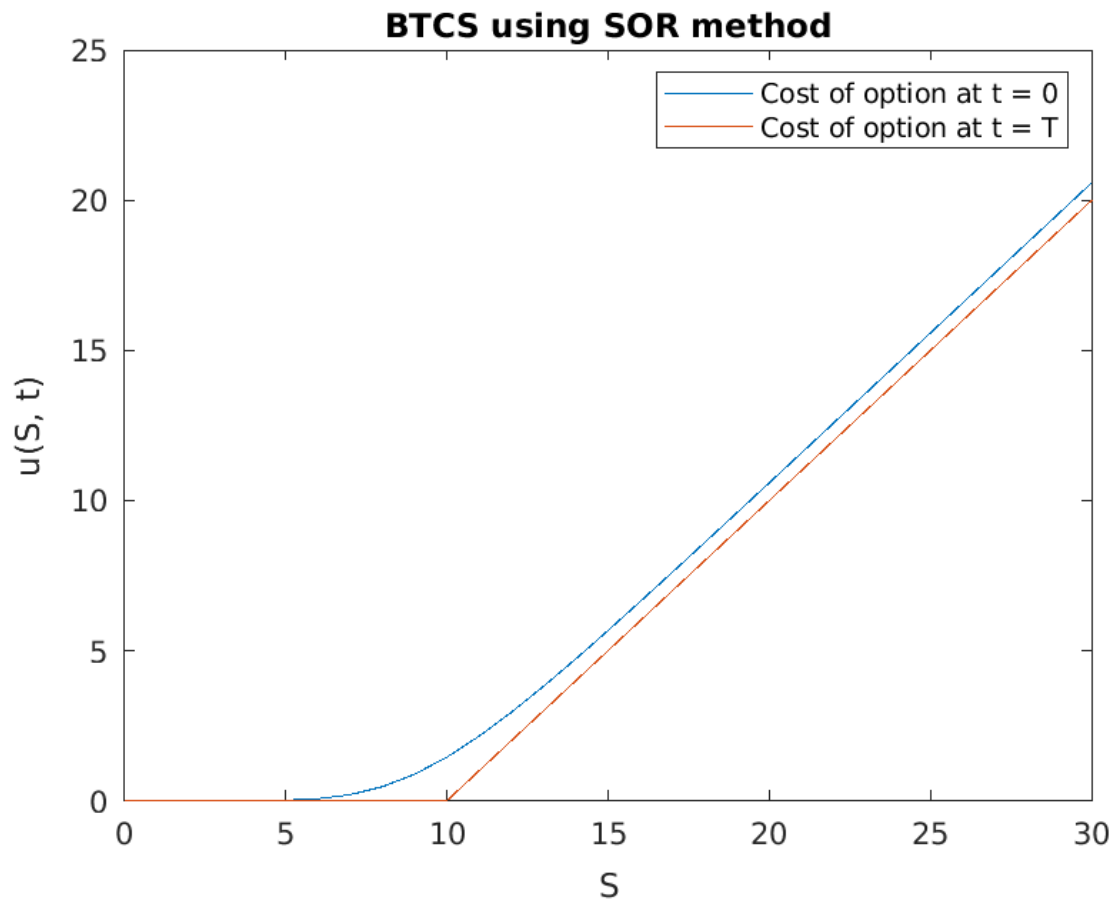




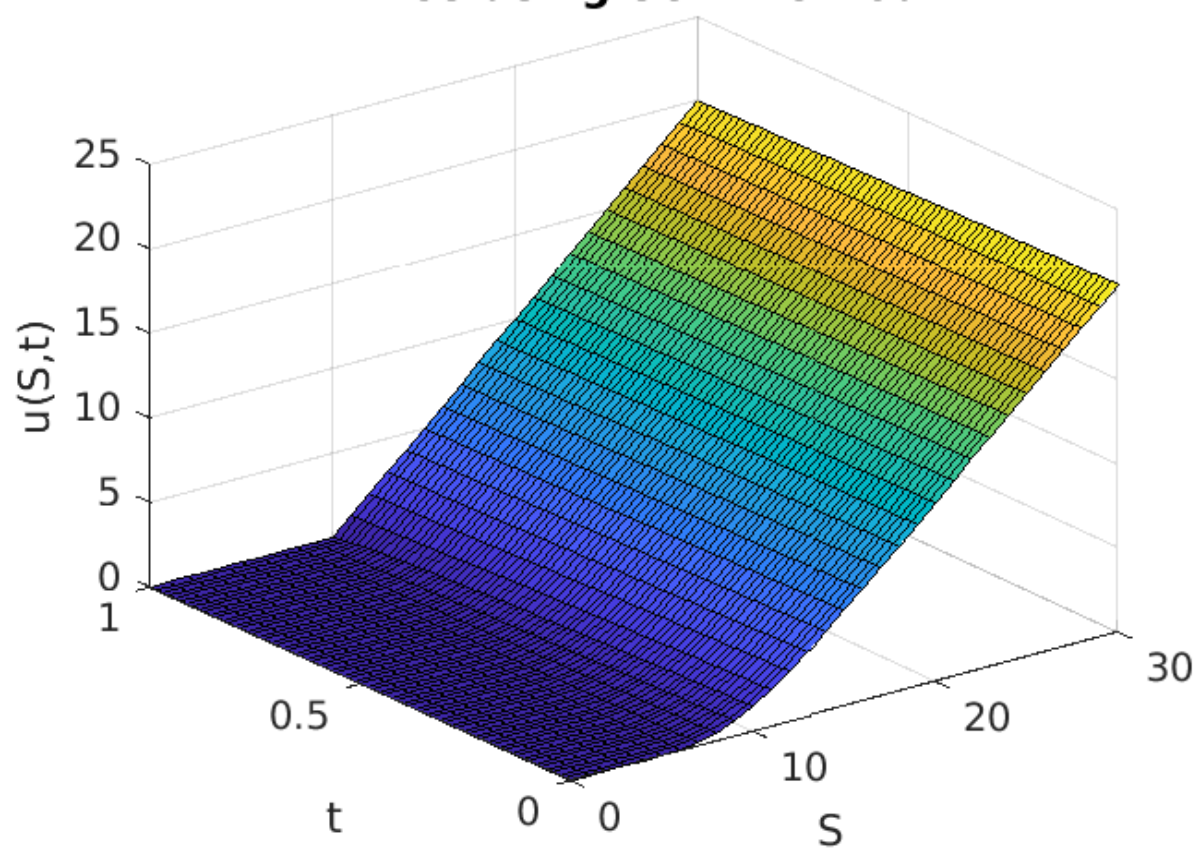
### BTCS using Jacobi method

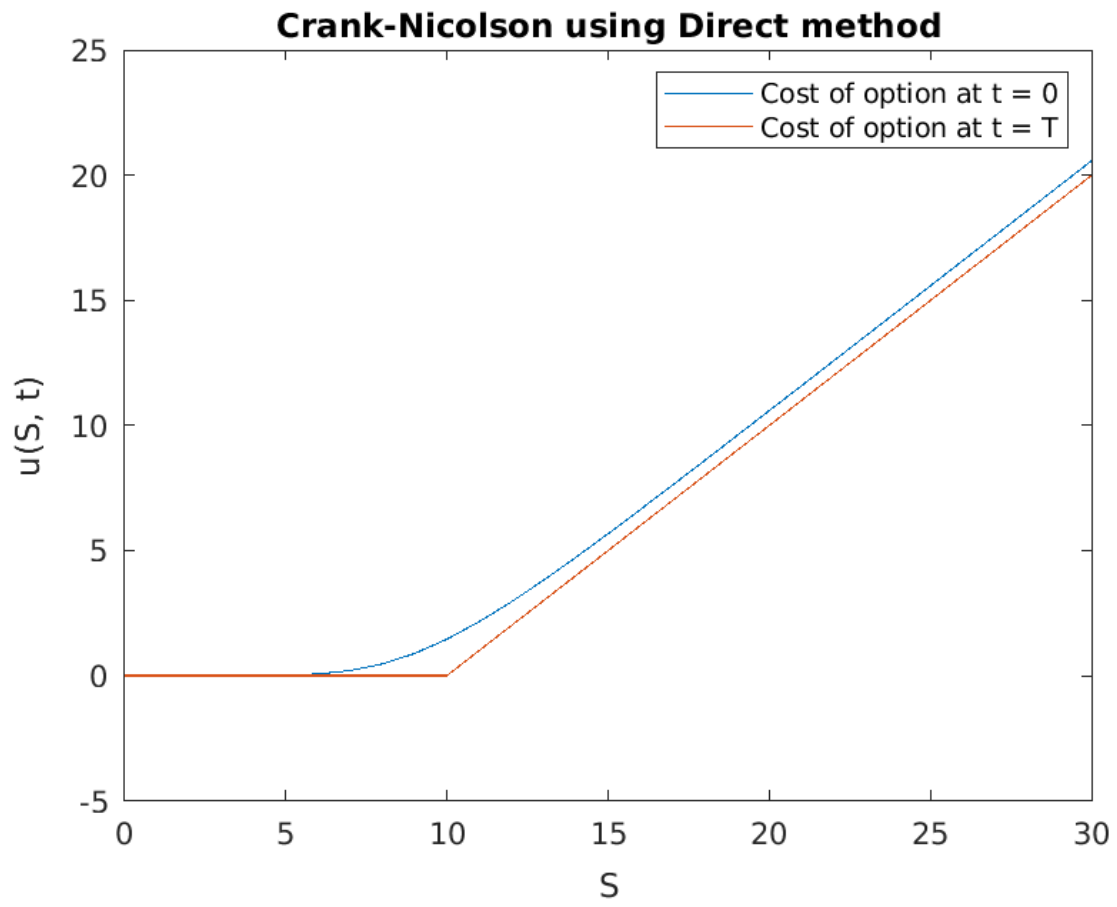




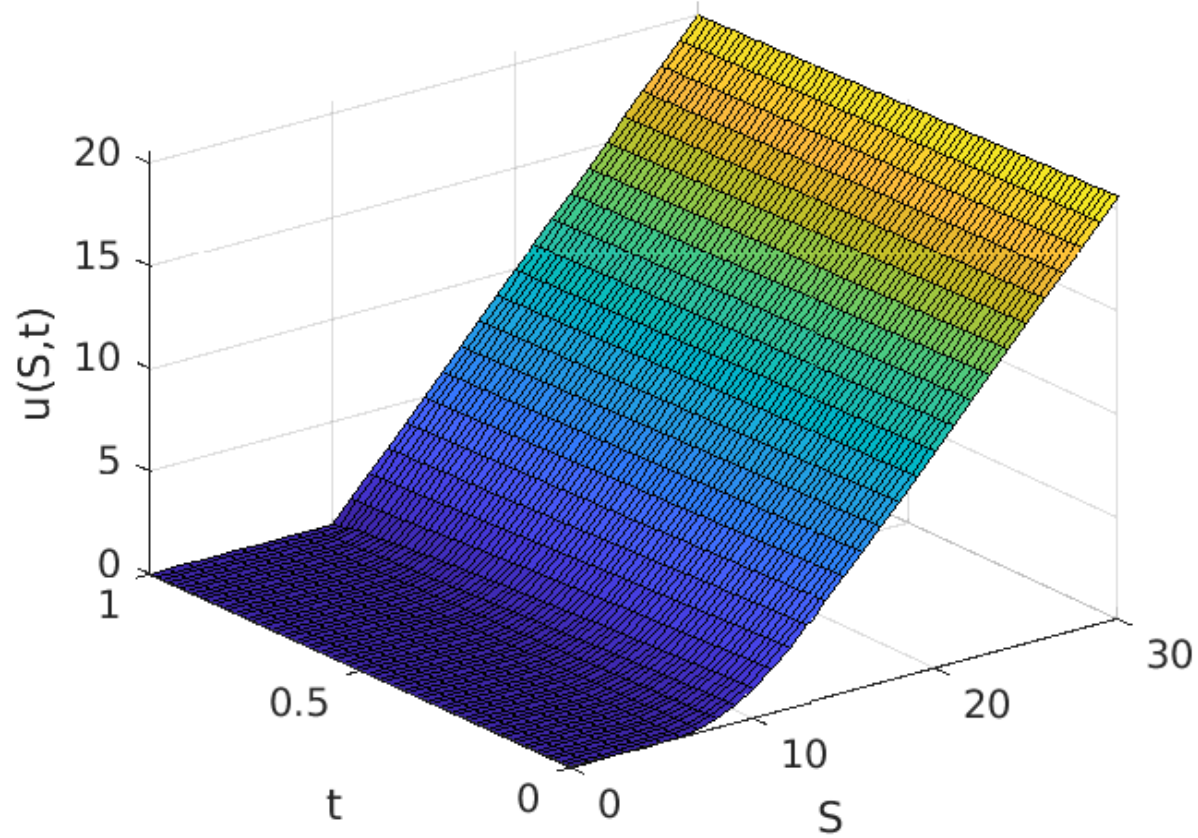


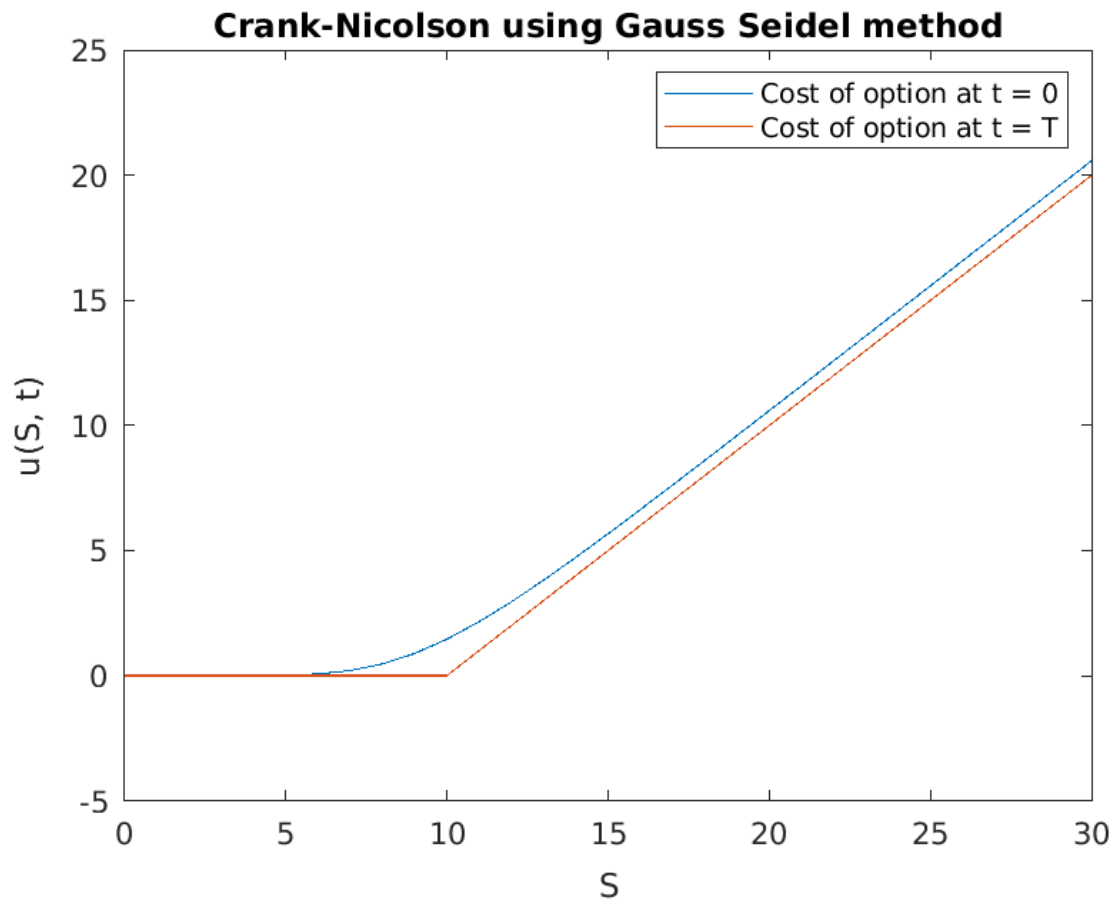
### BTCS using SOR method



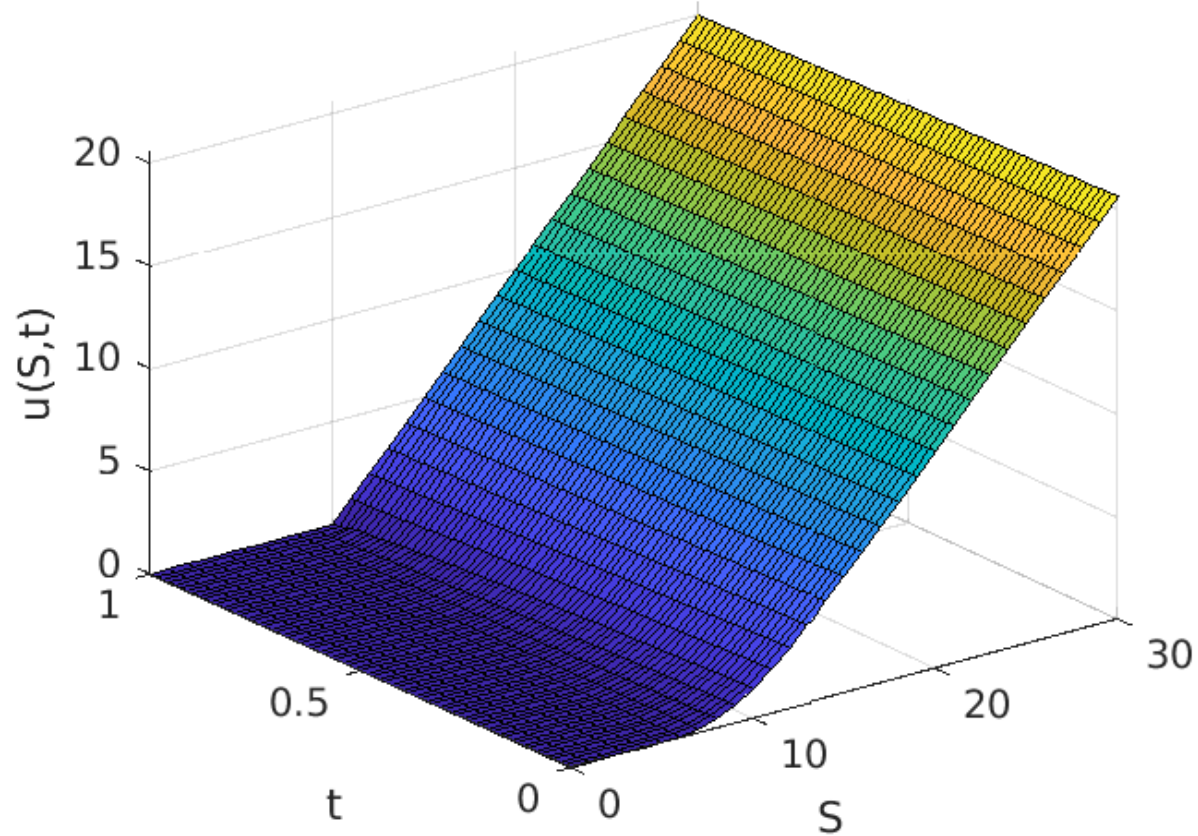


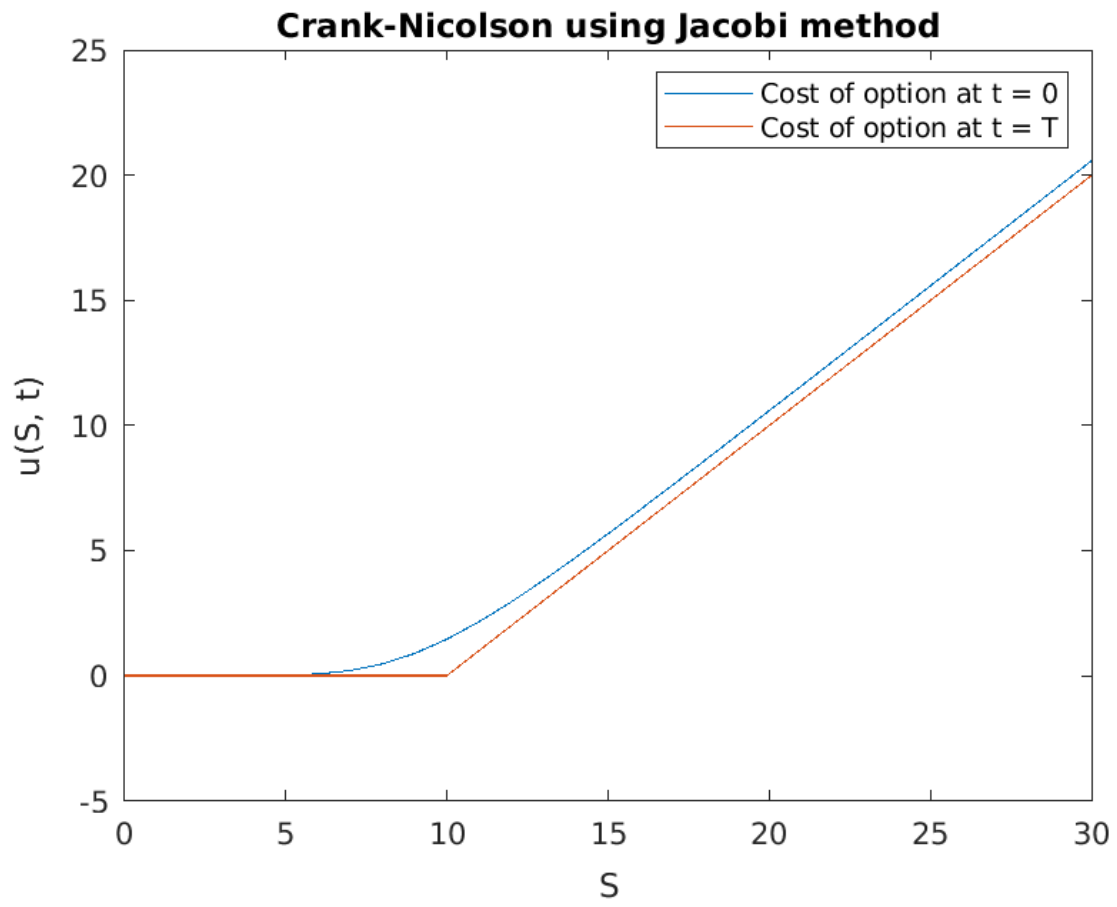
### Crank-Nicolson using Direct method



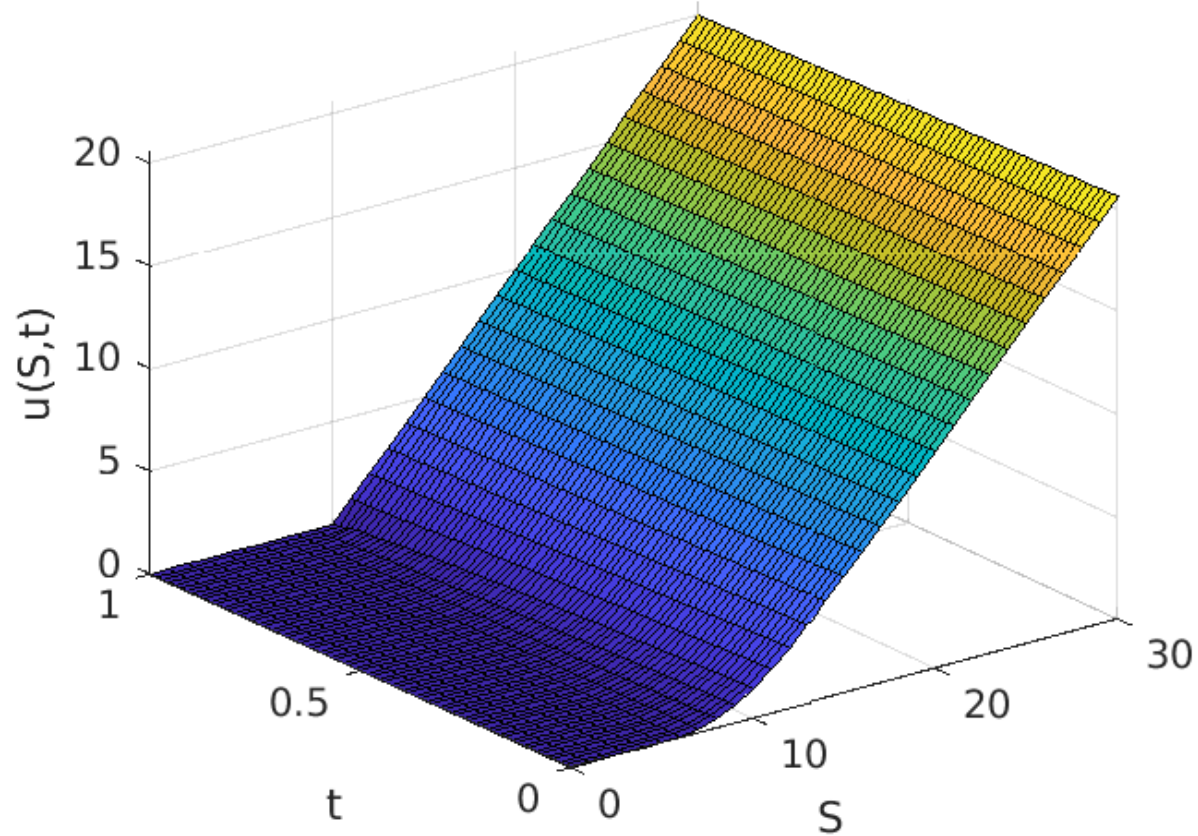


## Crank-Nicolson using Gauss Seidel method

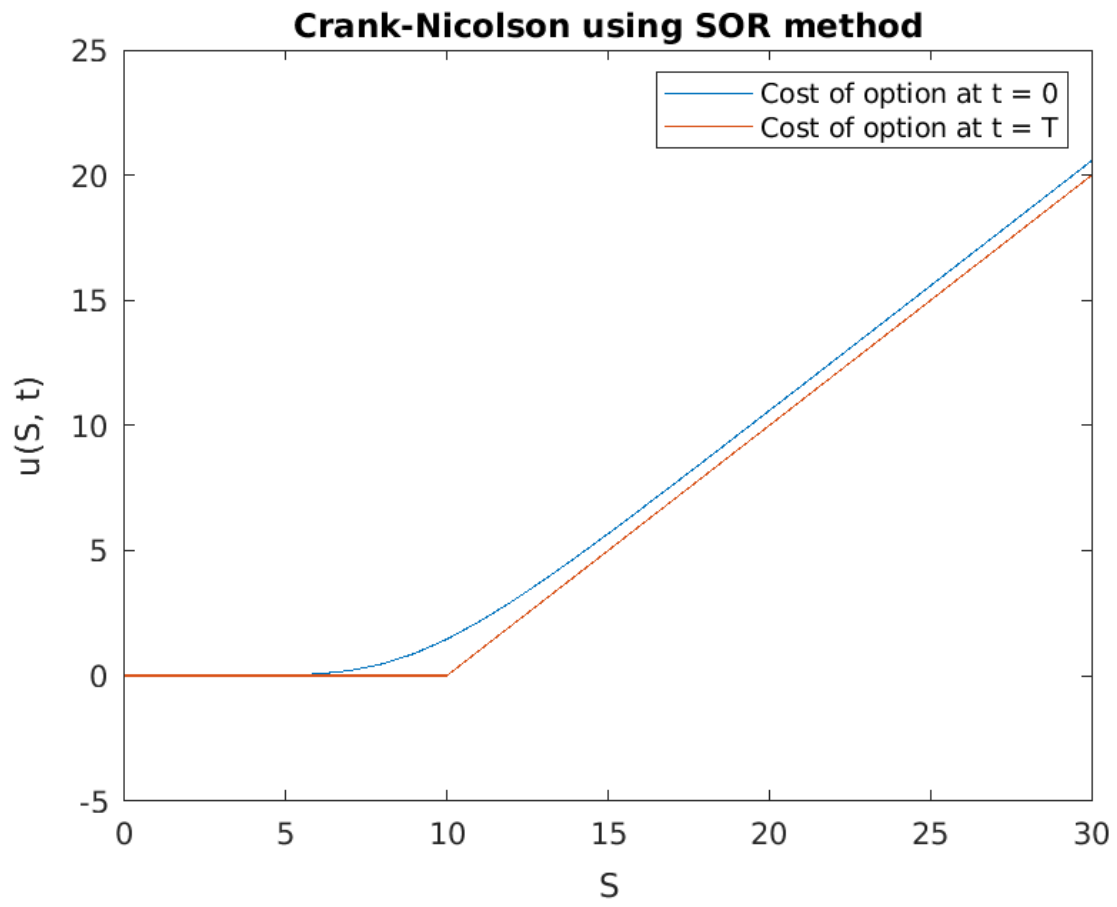




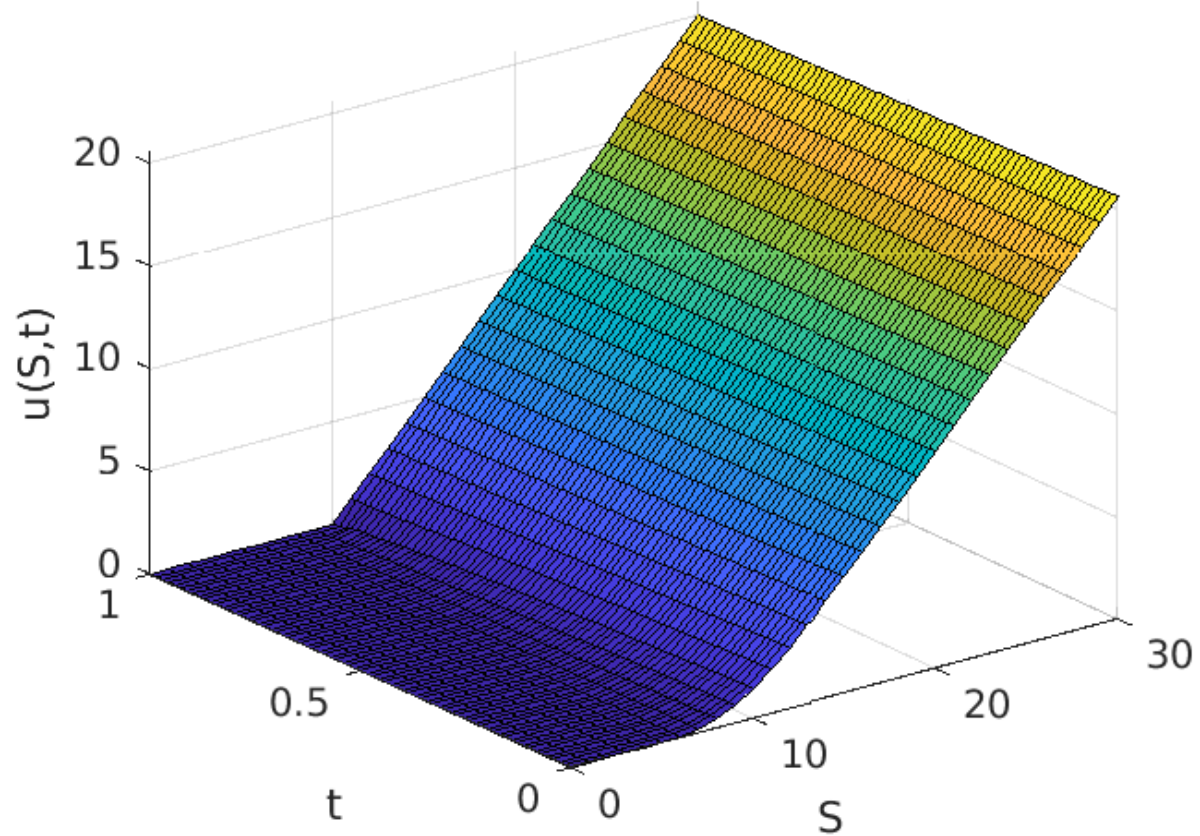
### Crank-Nicolson using Jacobi method





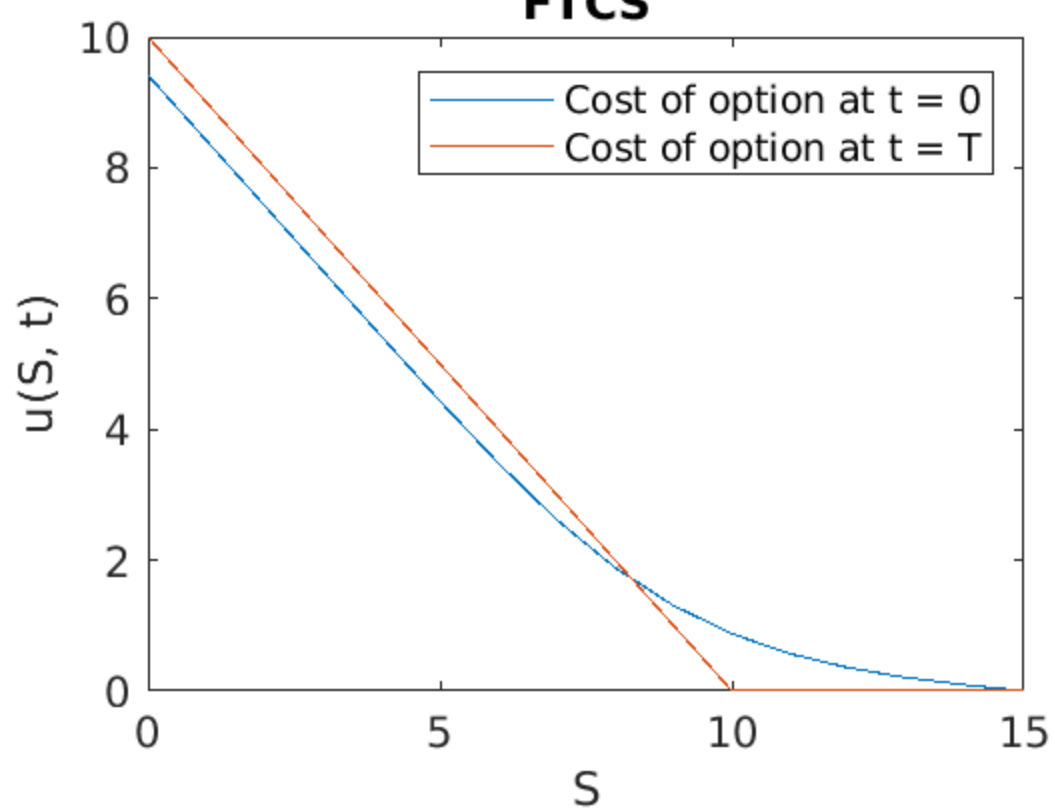


### Crank-Nicolson using SOR method

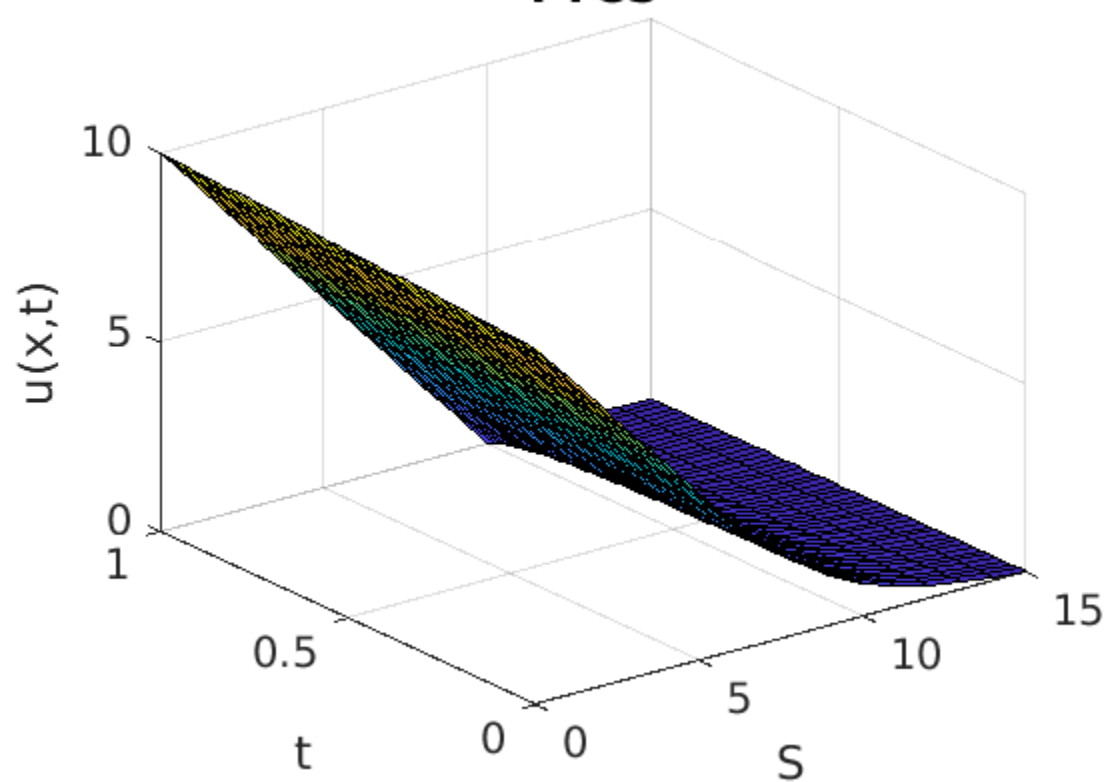


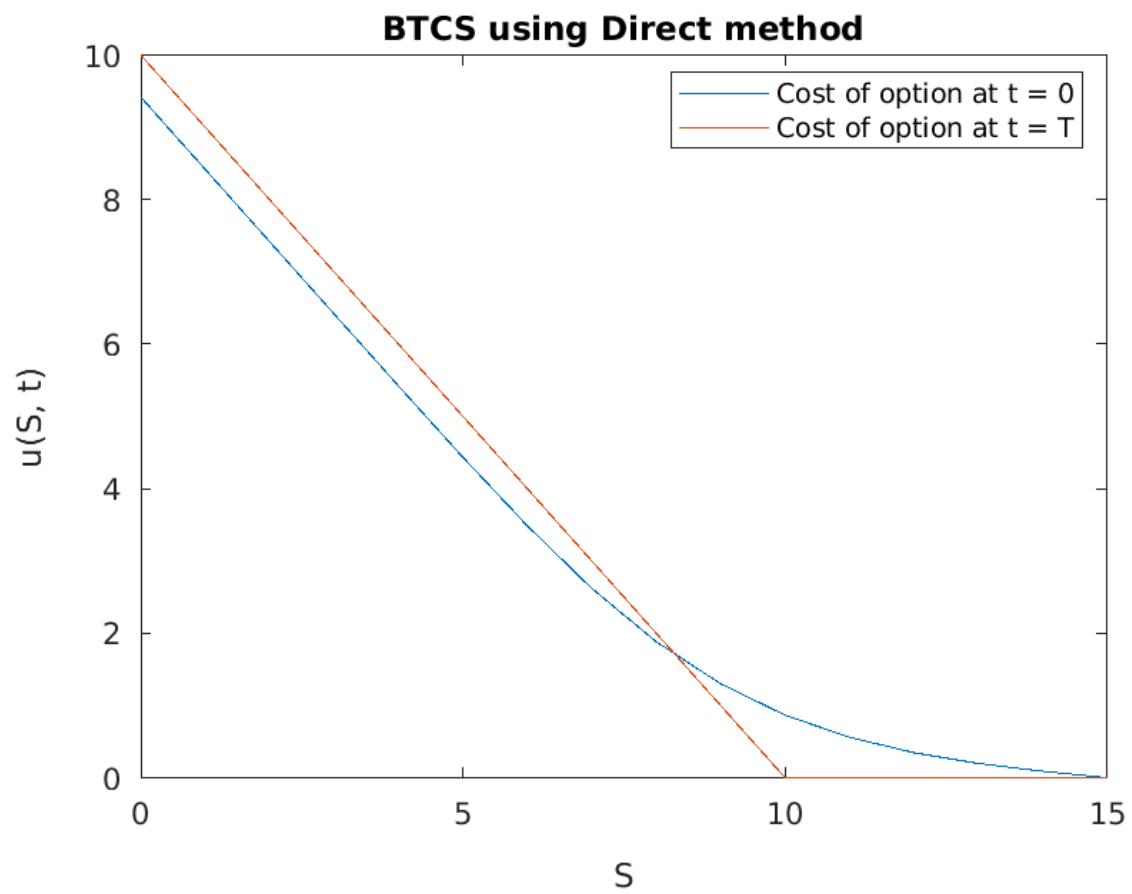
Ques.2

### FTCS

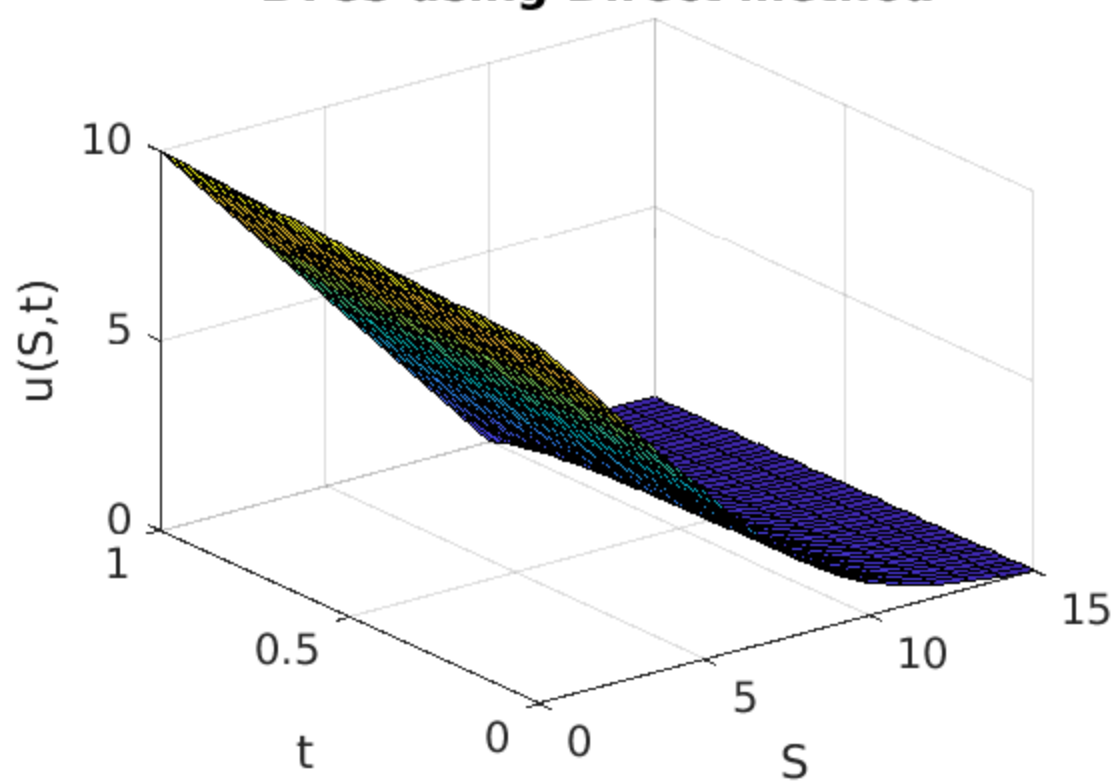


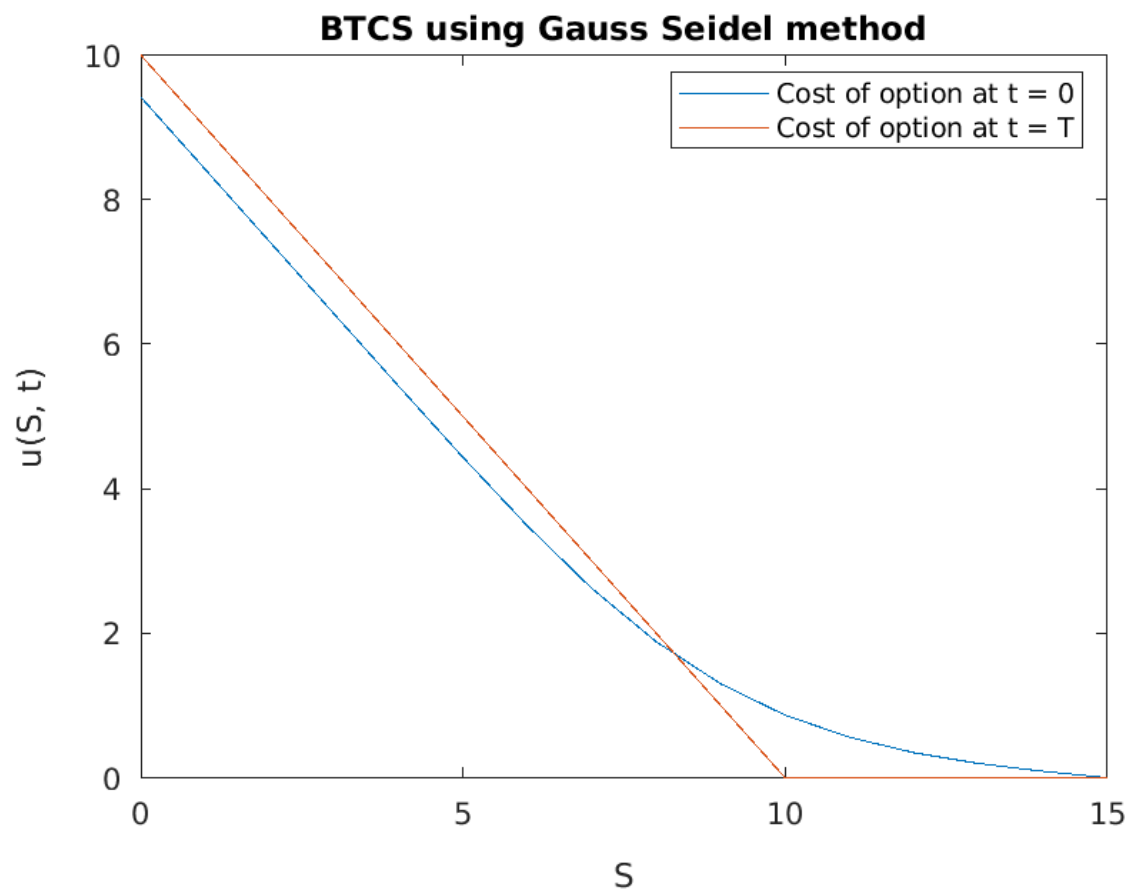
### FTCS



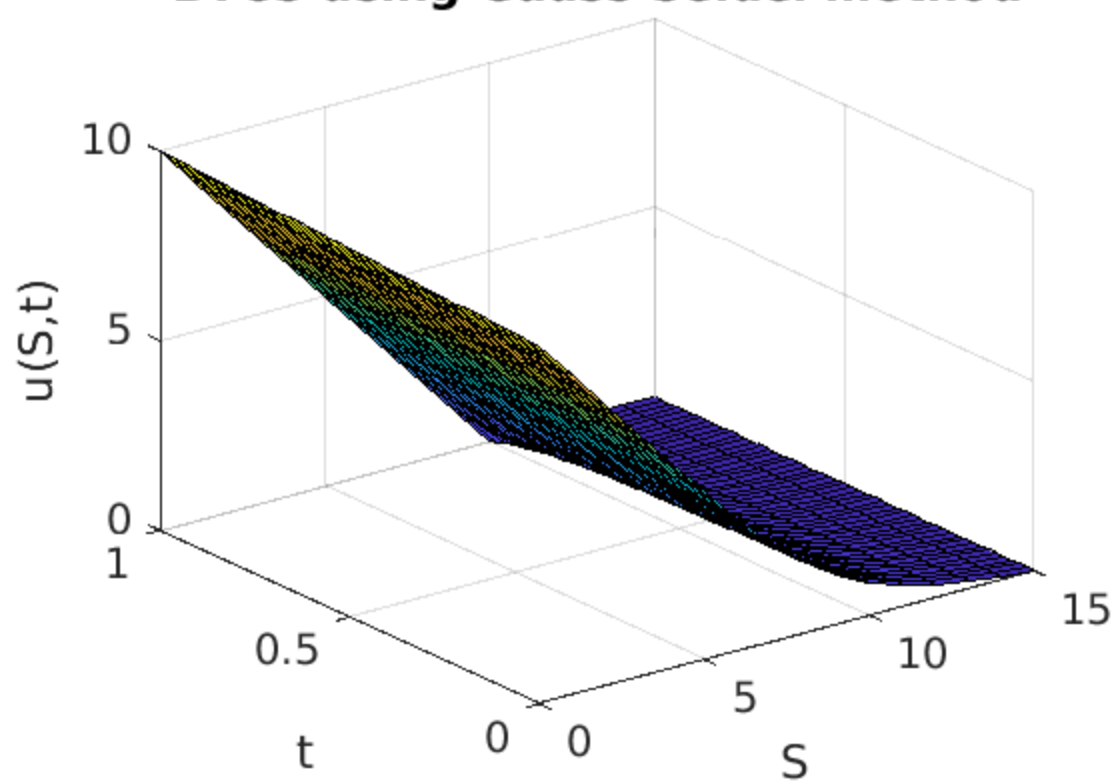


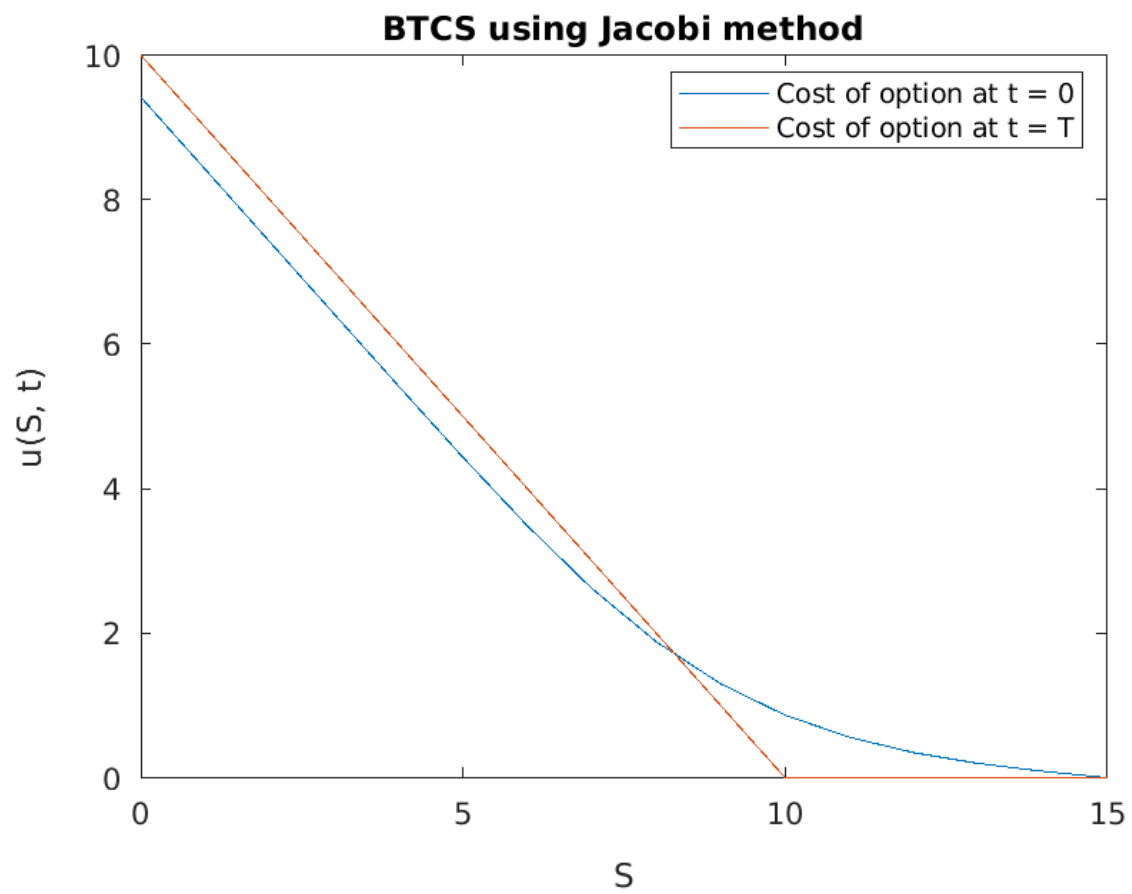
### BTCS using Direct method





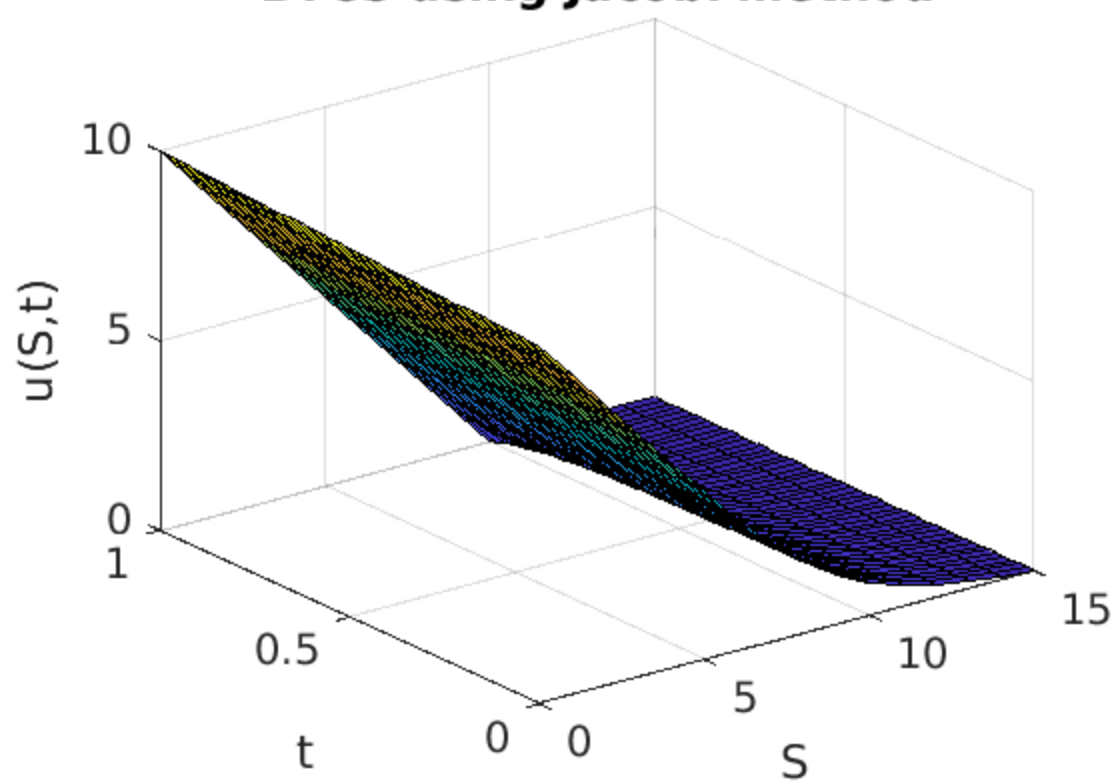
### BTCS using Gauss Seidel method

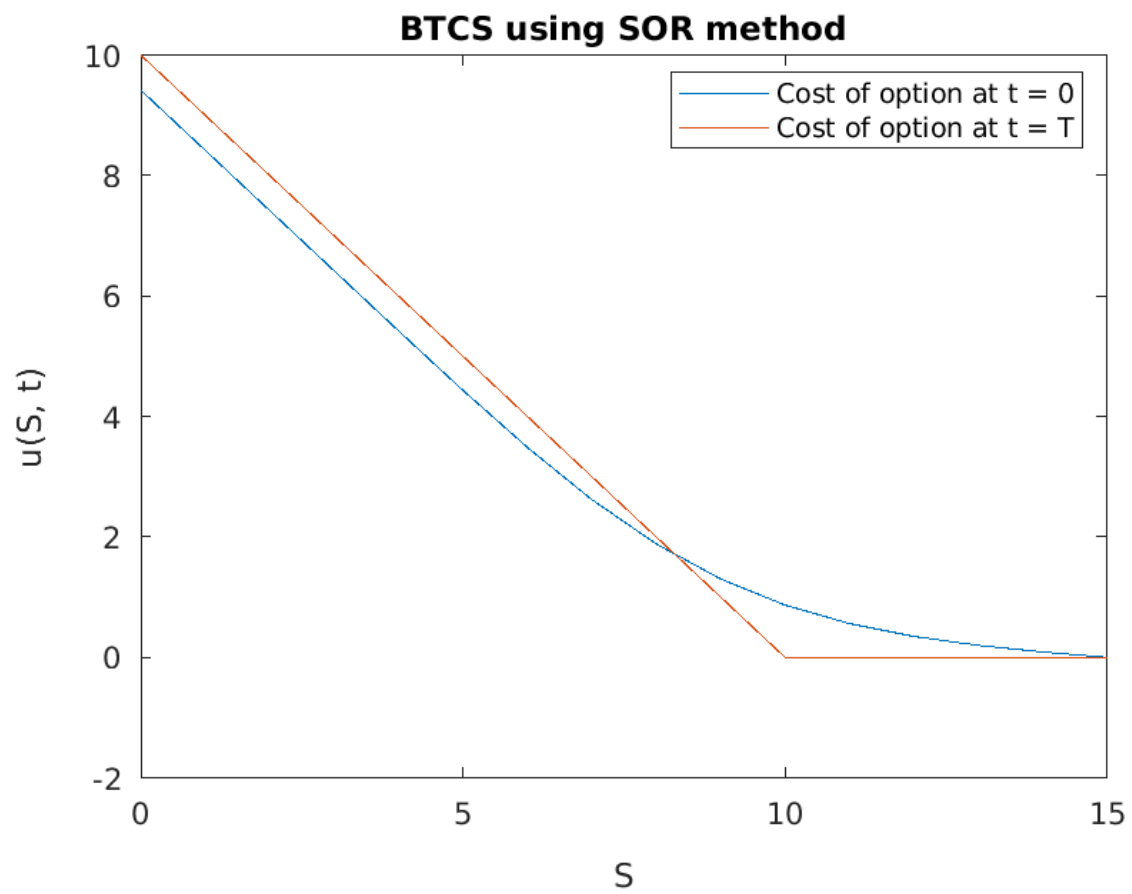




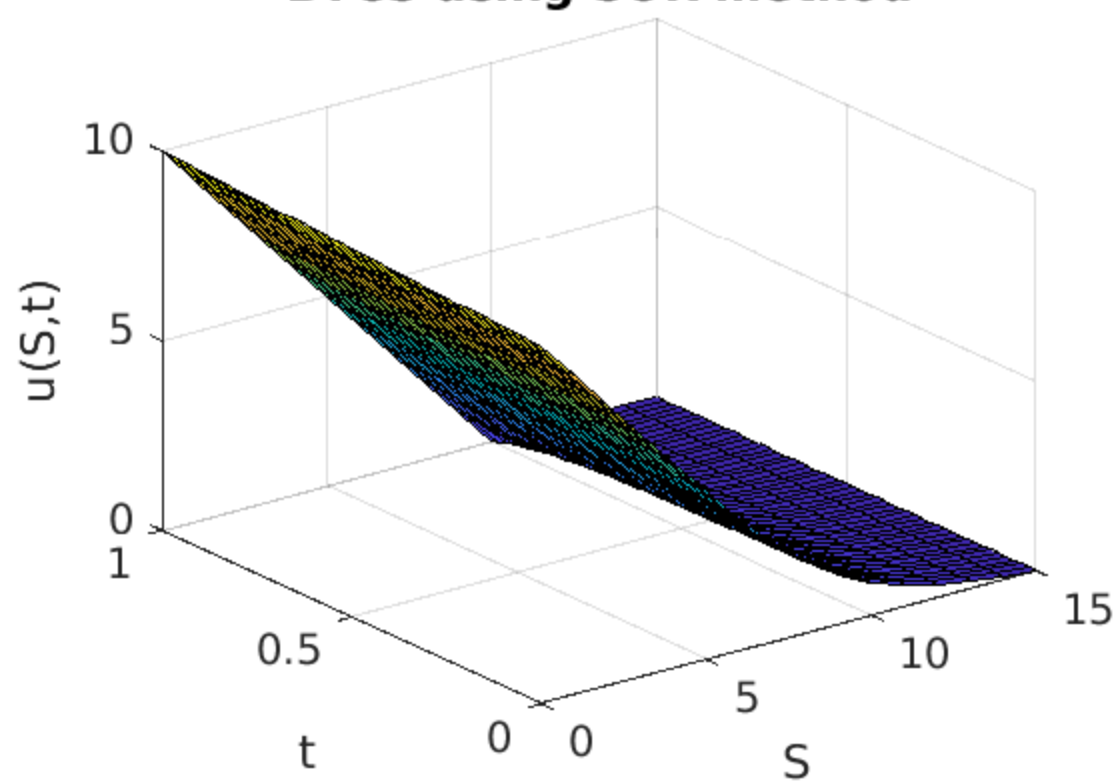


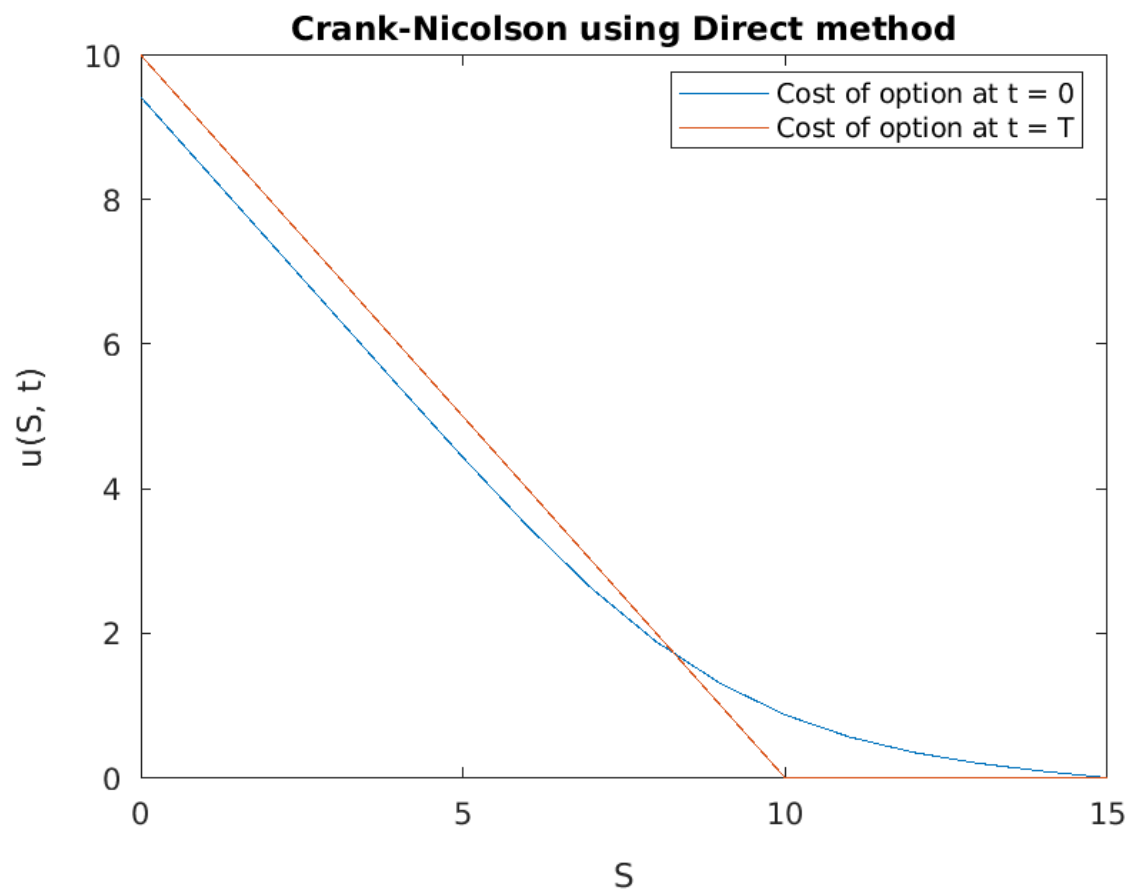
### BTCS using Jacobi method



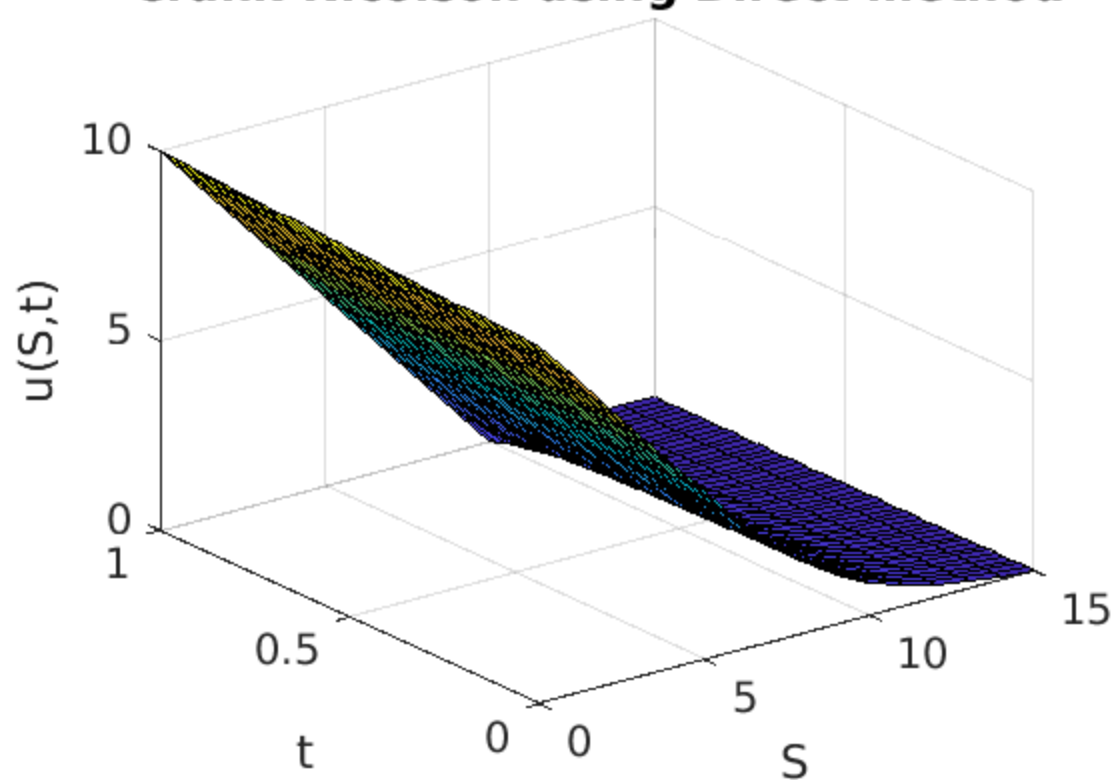


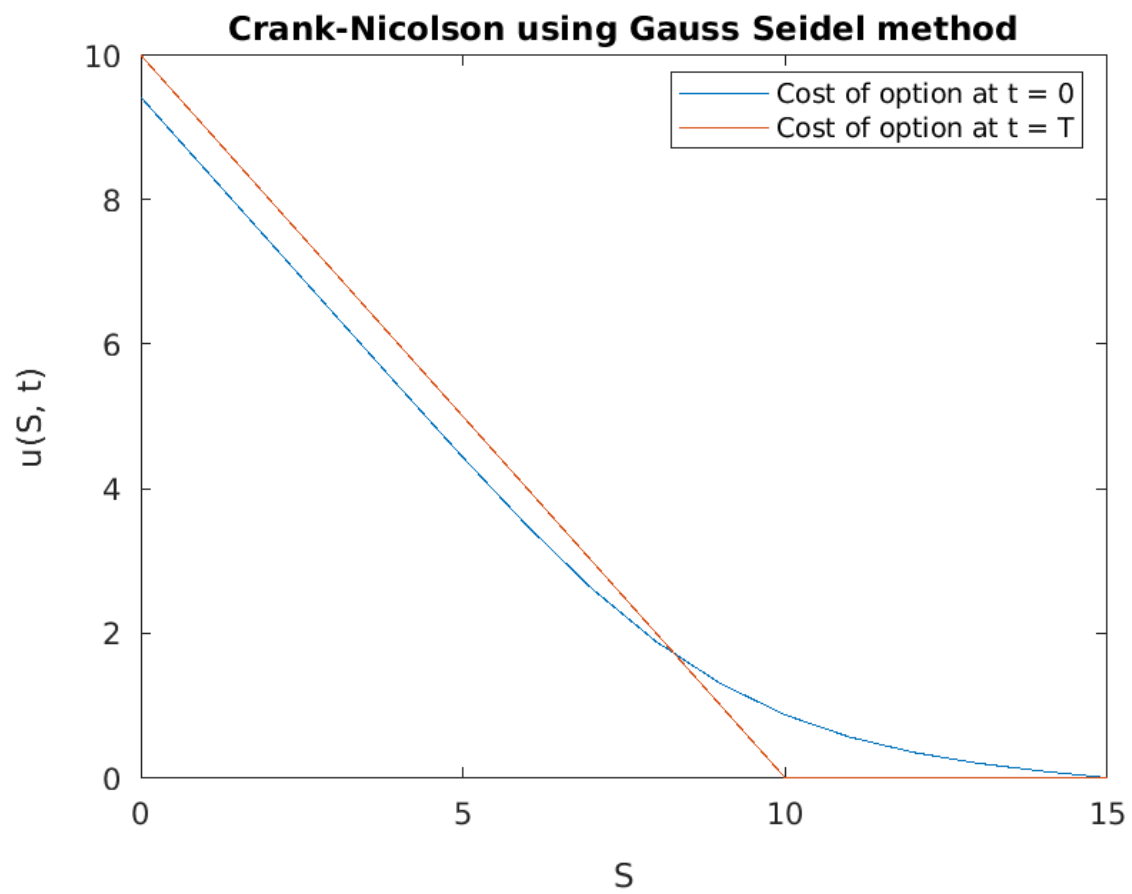
# BTCS using SOR method



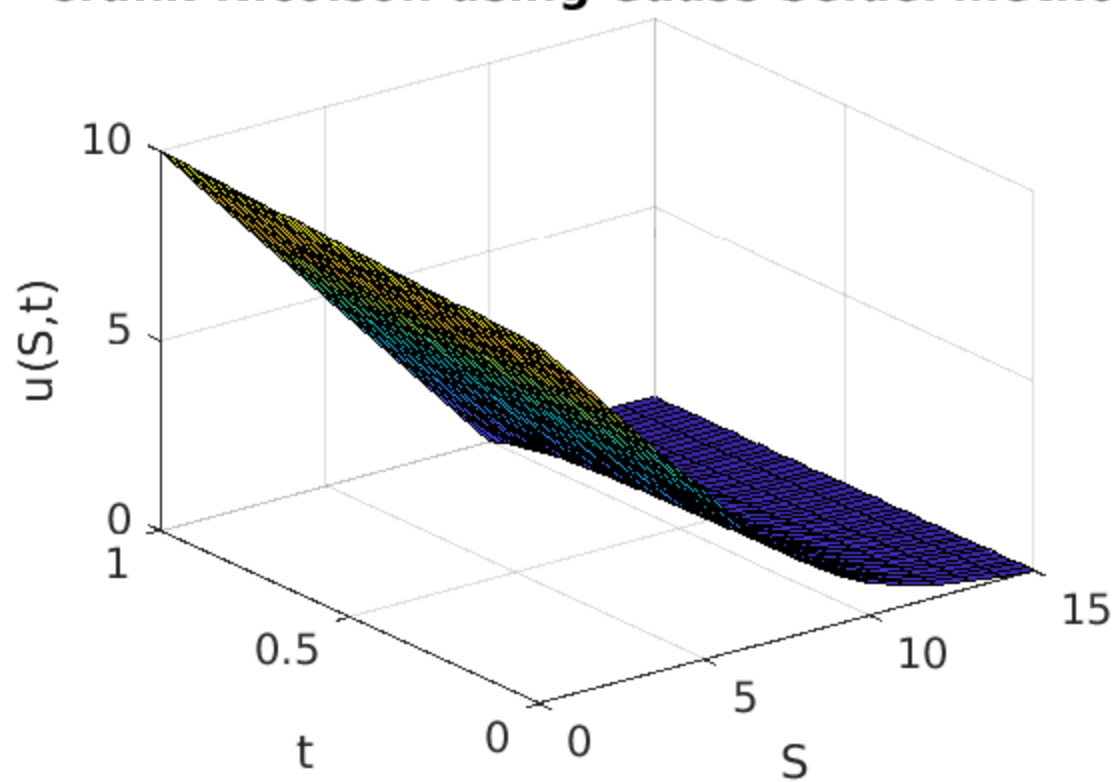


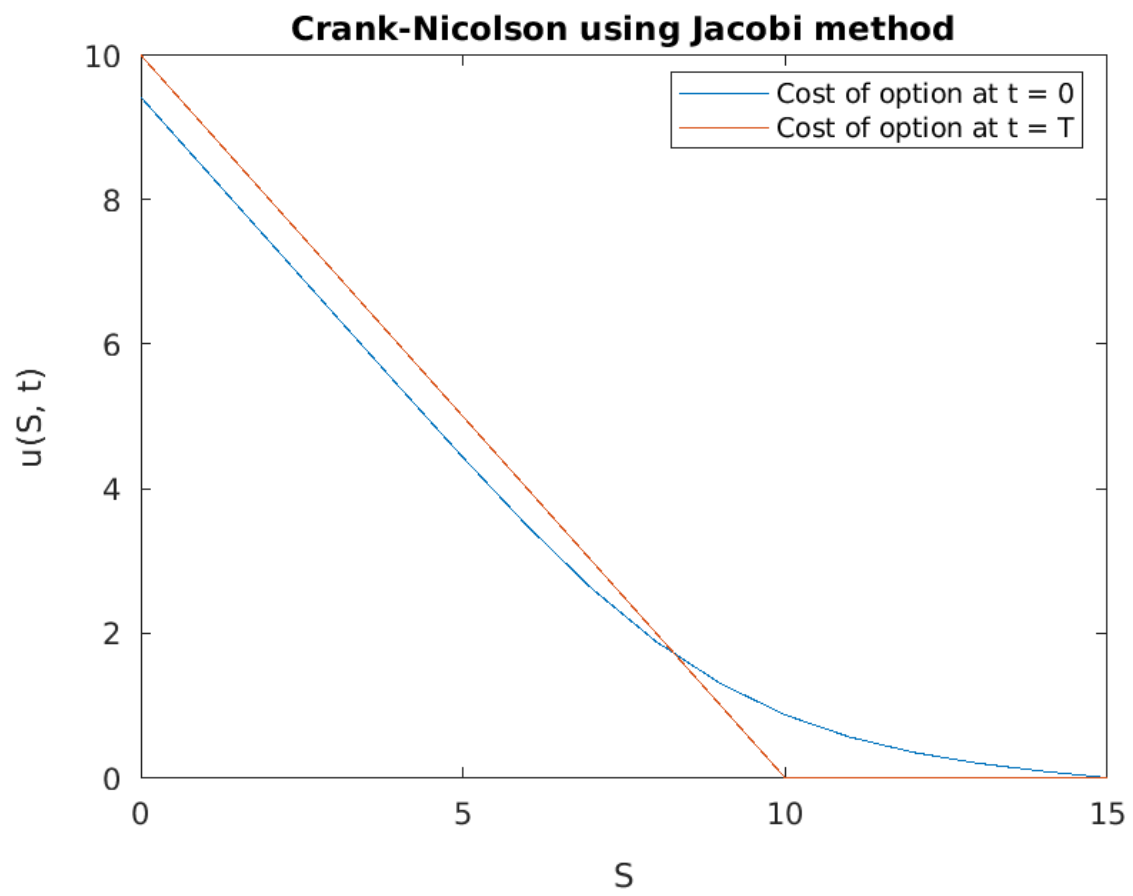
## Crank-Nicolson using Direct method





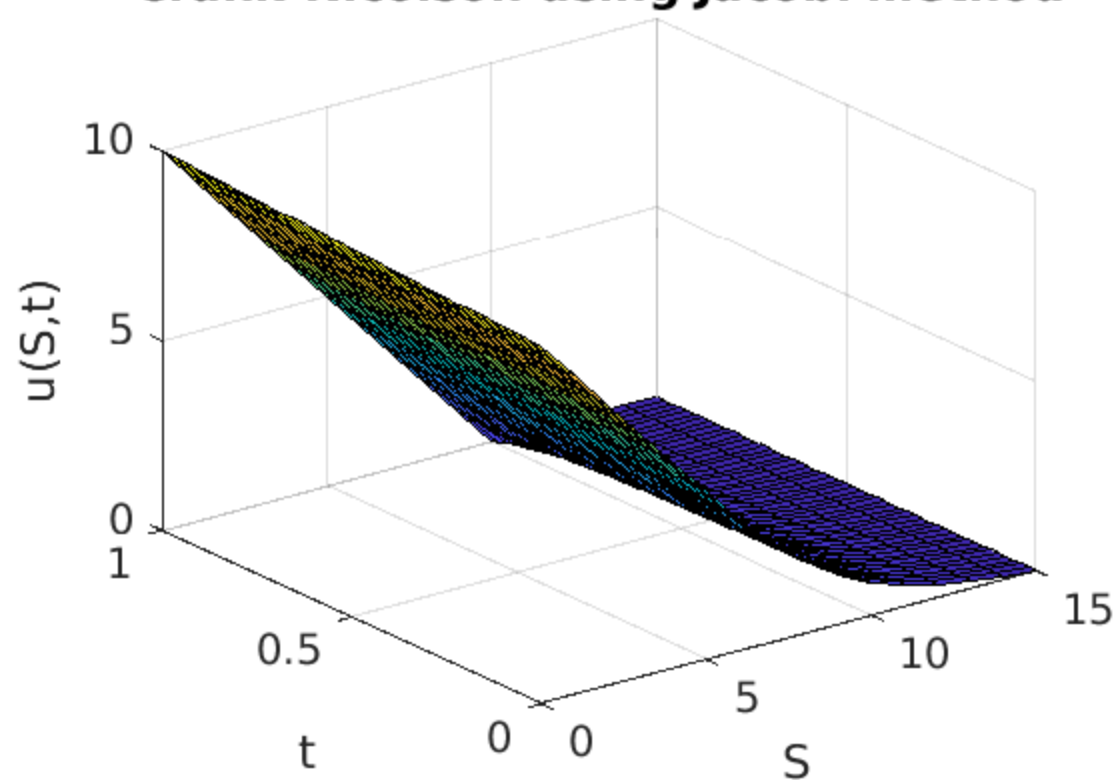
## Crank-Nicolson using Gauss Seidel method

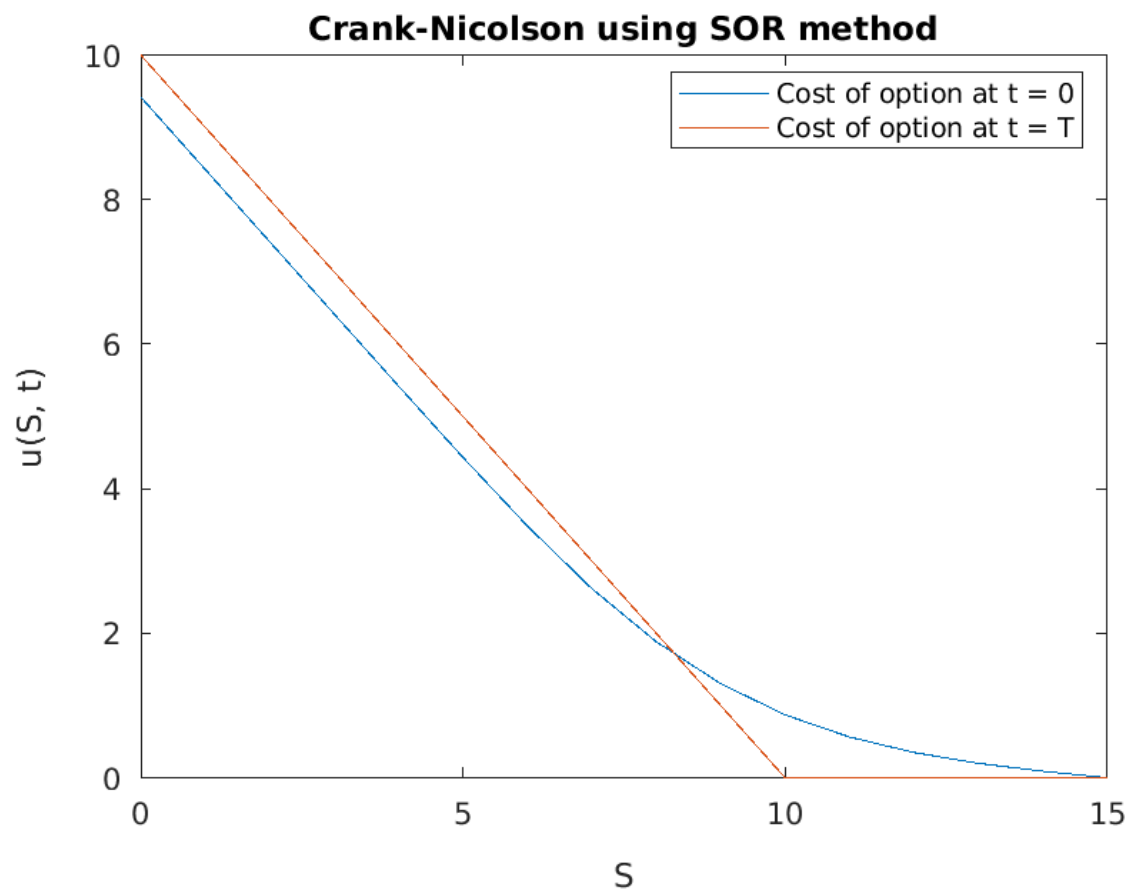






## Crank-Nicolson using Jacobi method





## Crank-Nicolson using SOR method

