

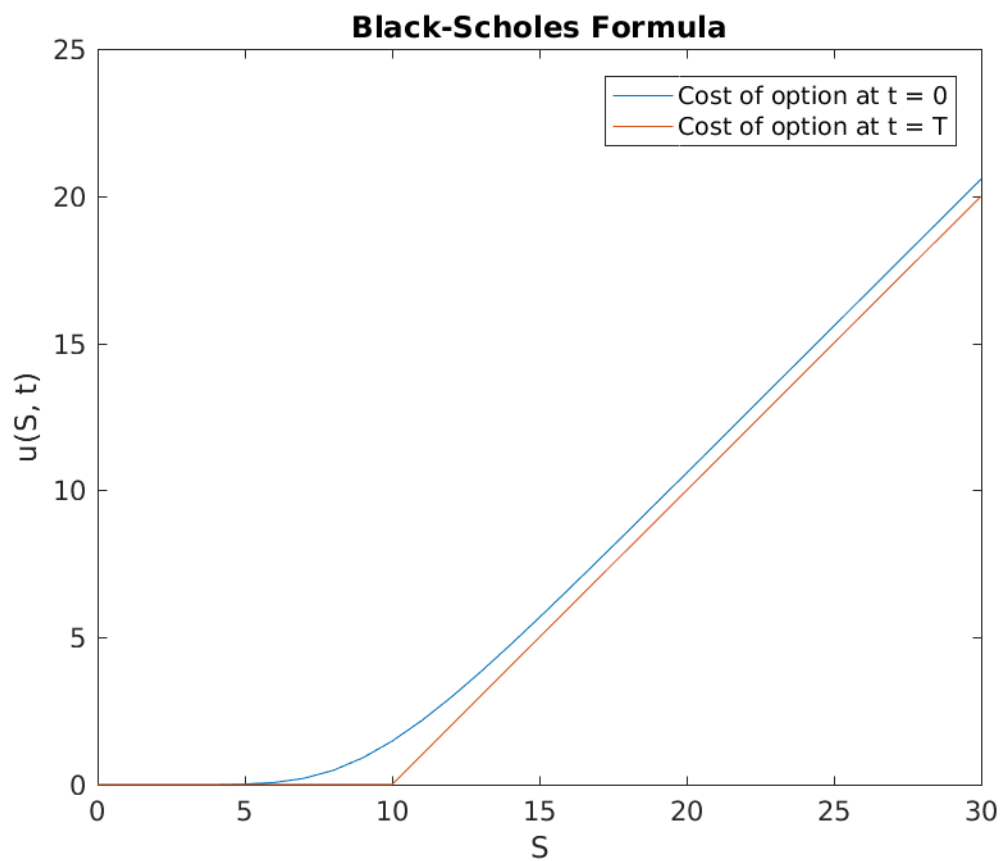
# Assignment-5

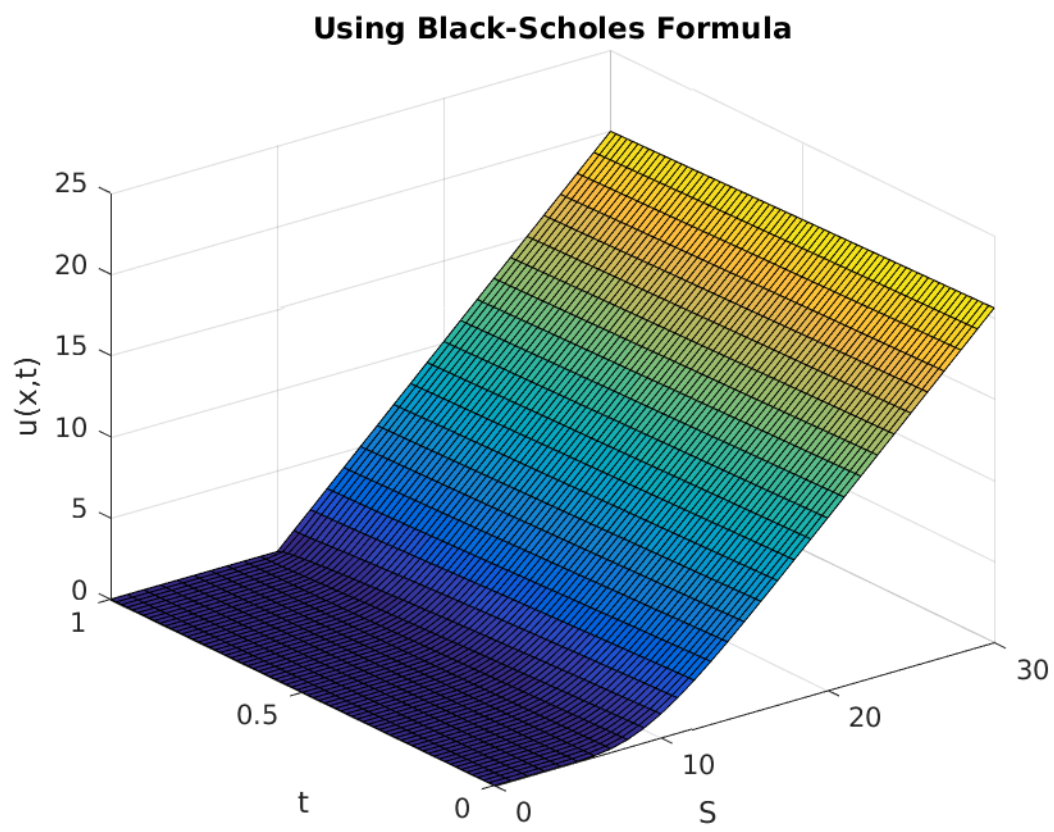
Abheek Ghosh

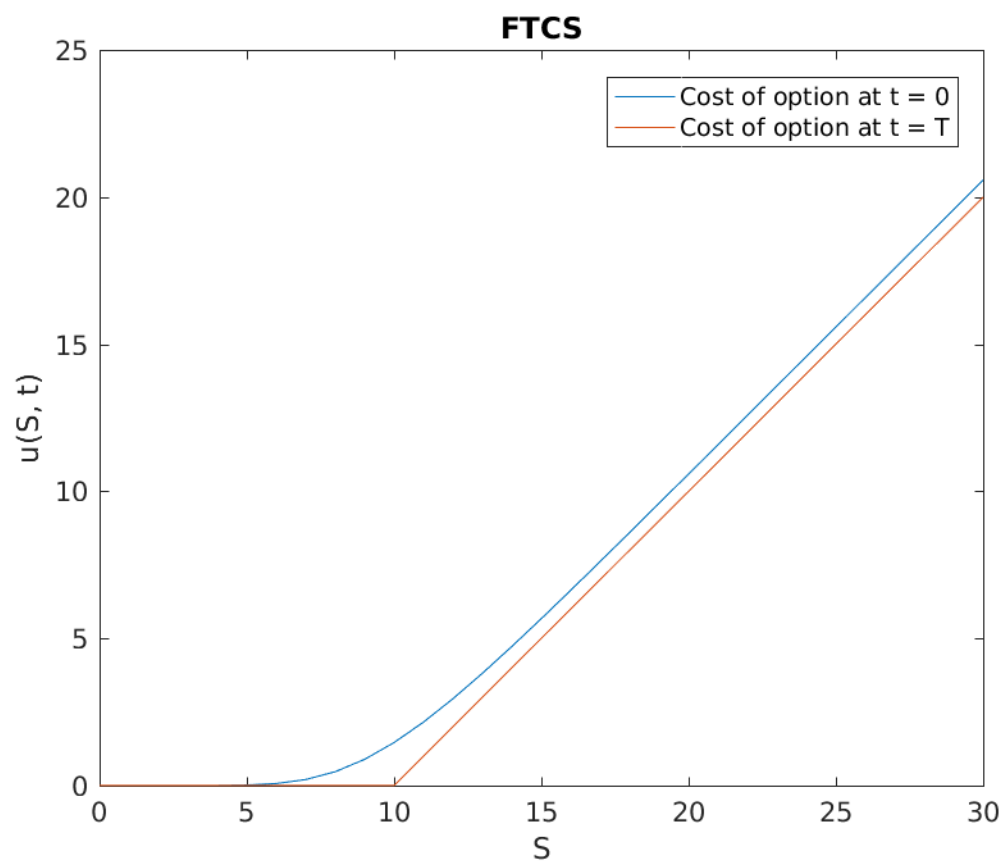
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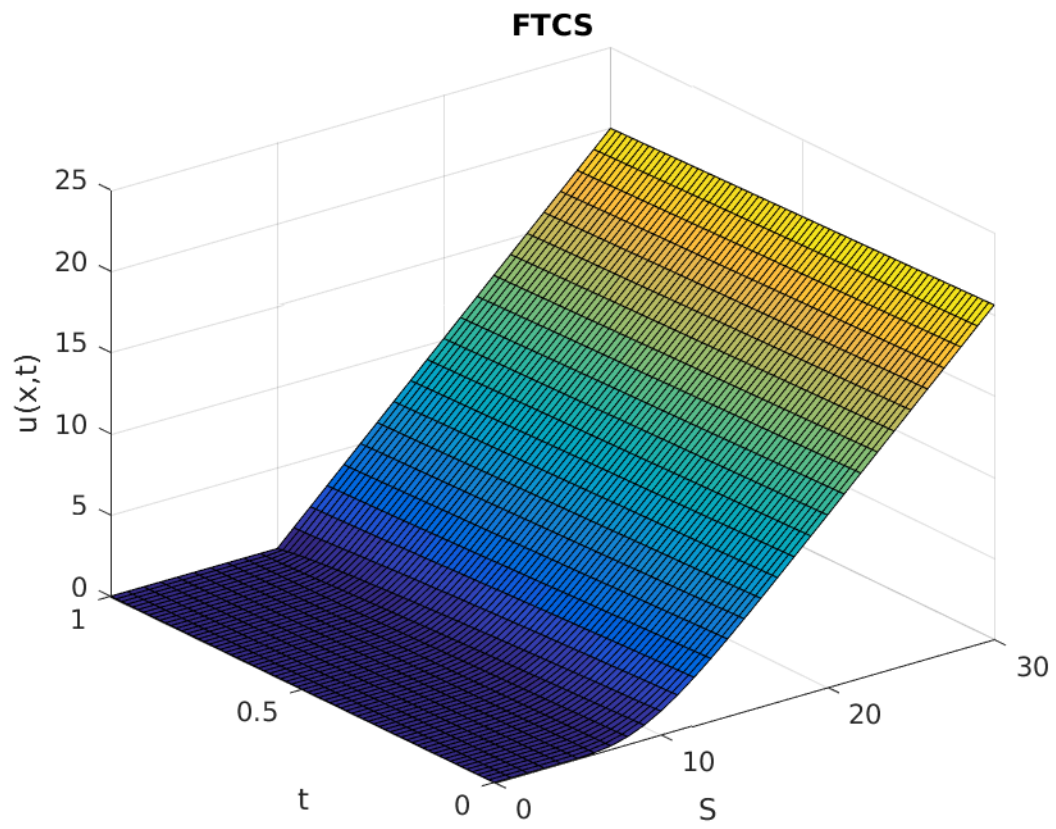
February 7, 2018

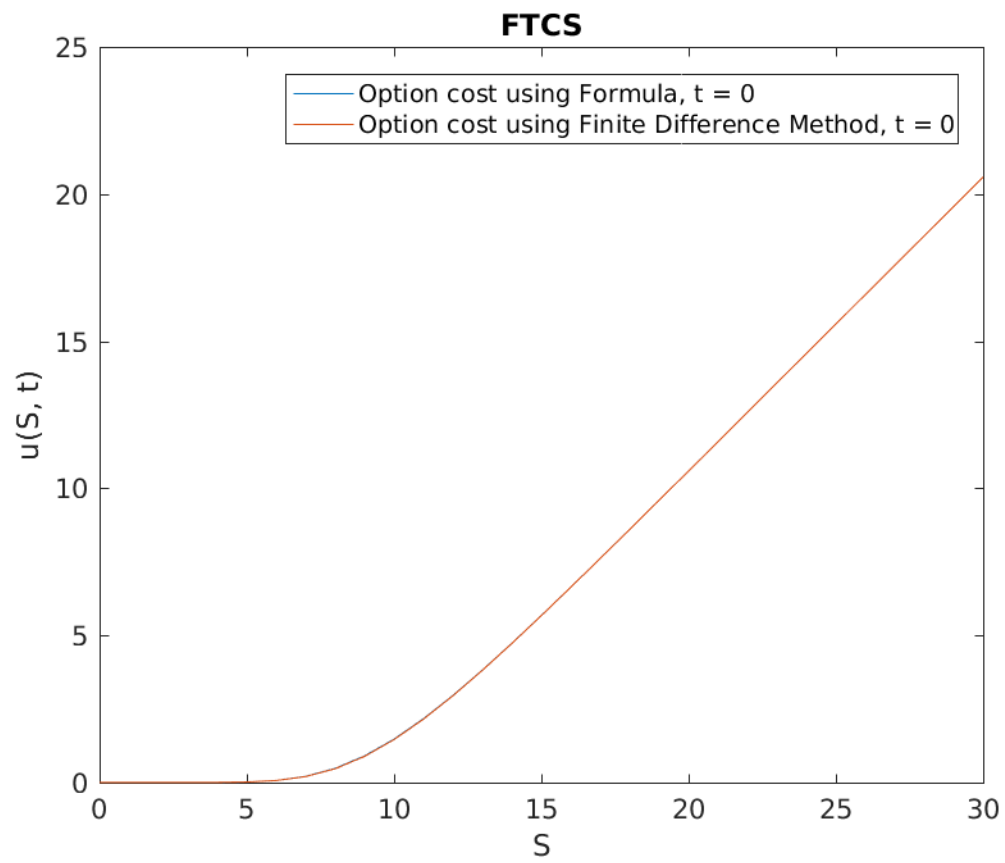
## Question 1

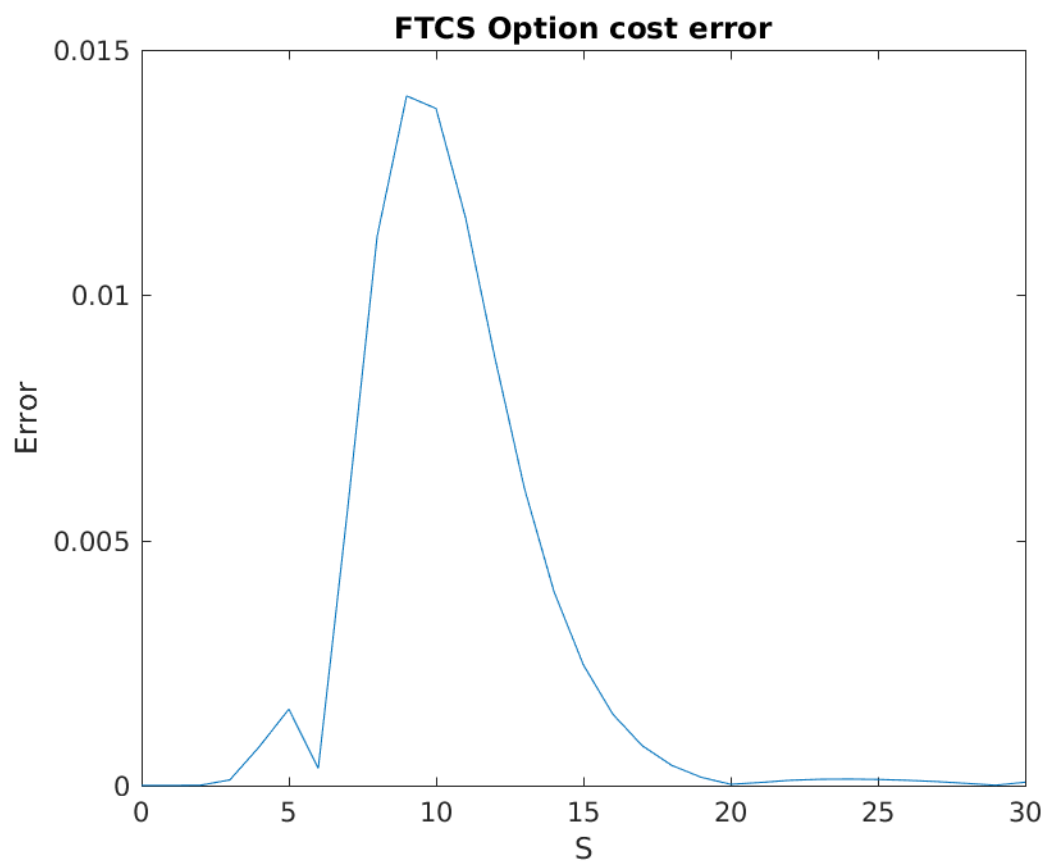


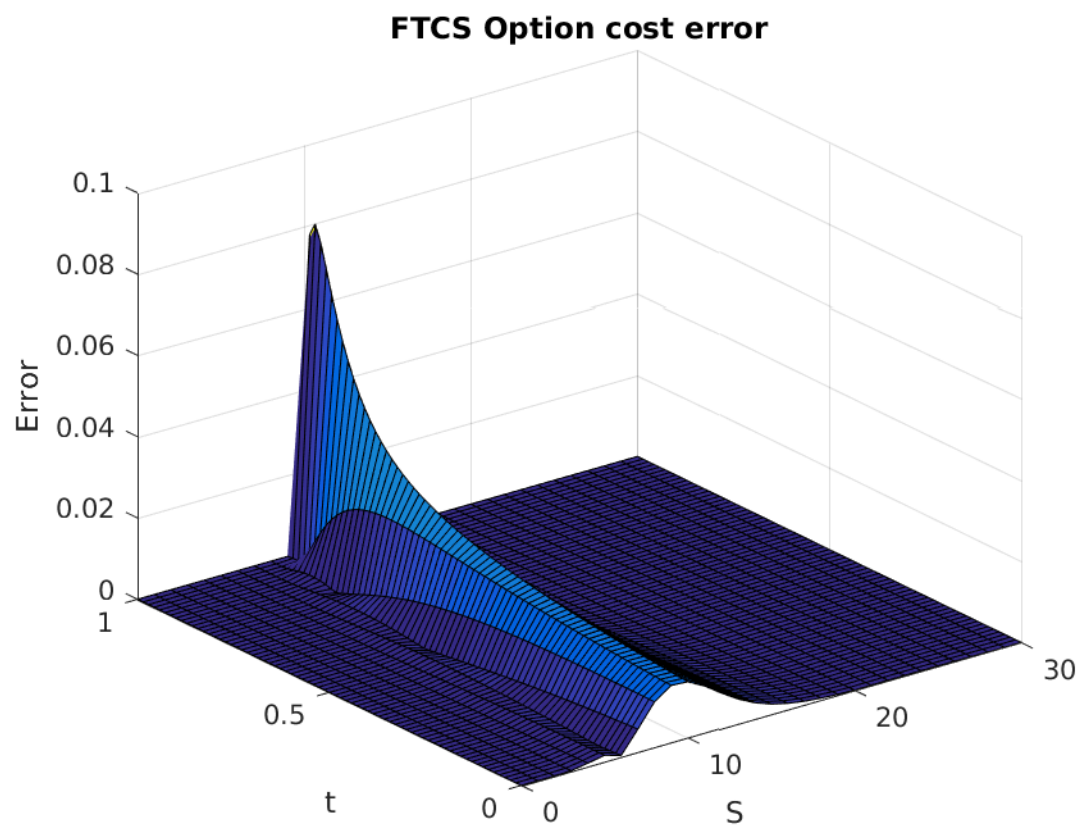


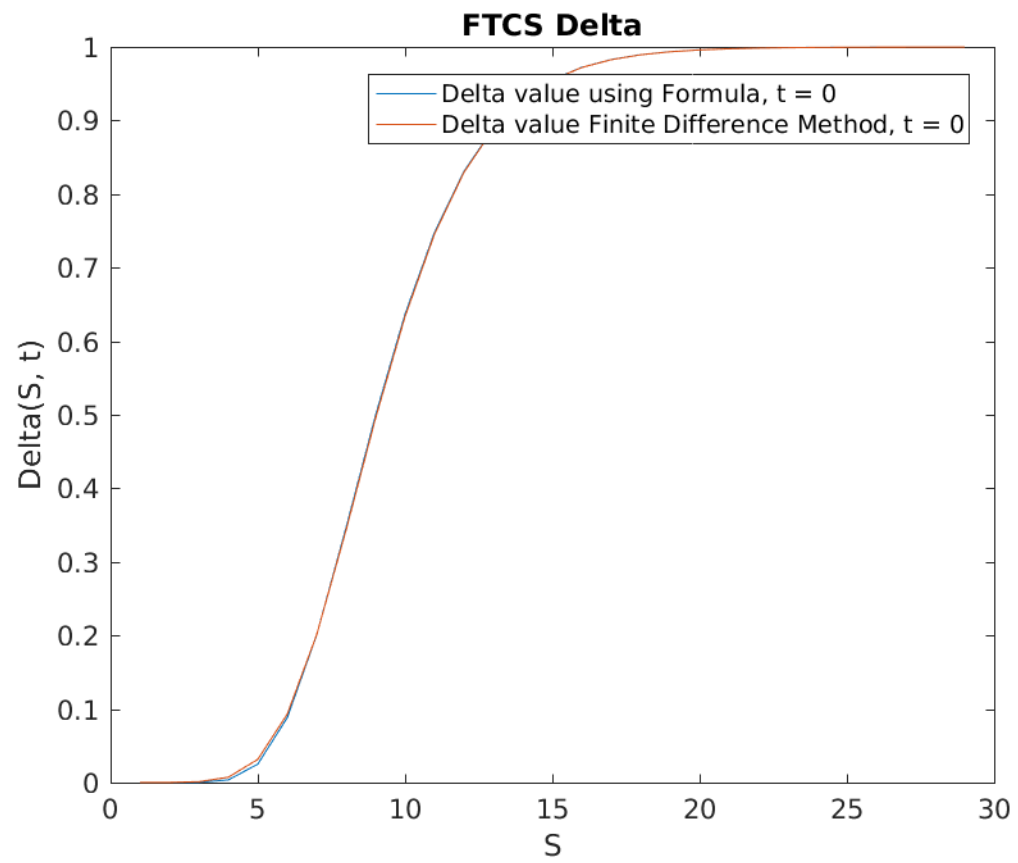




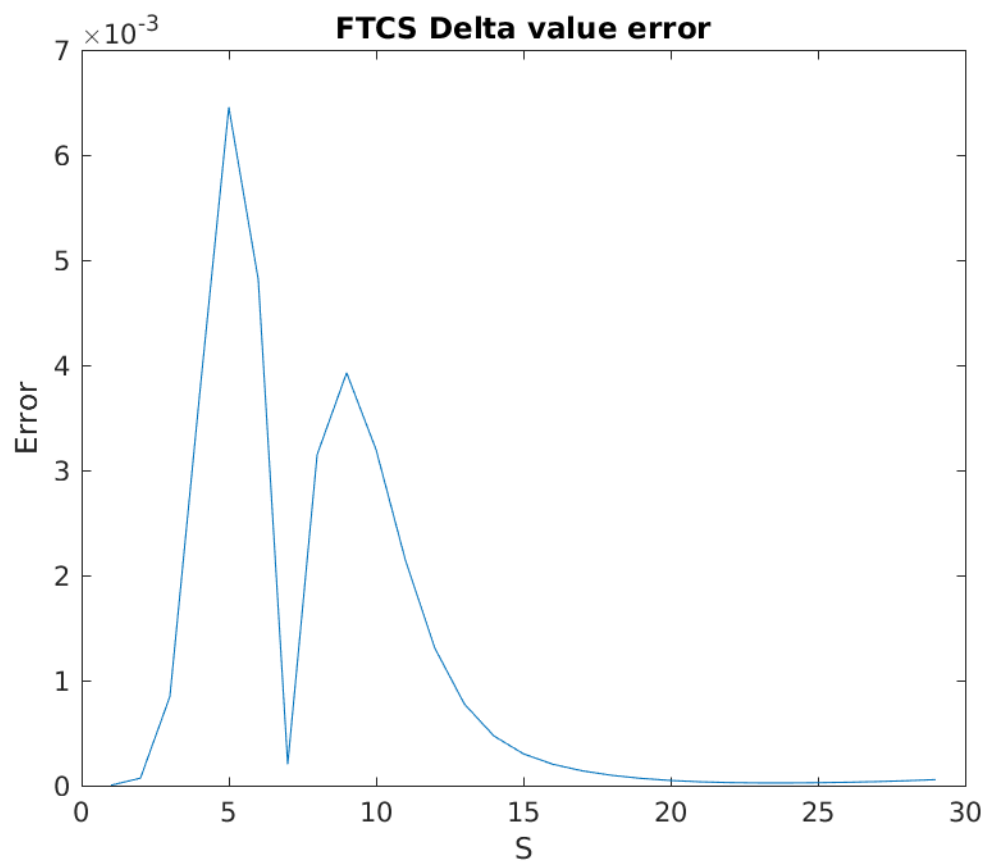


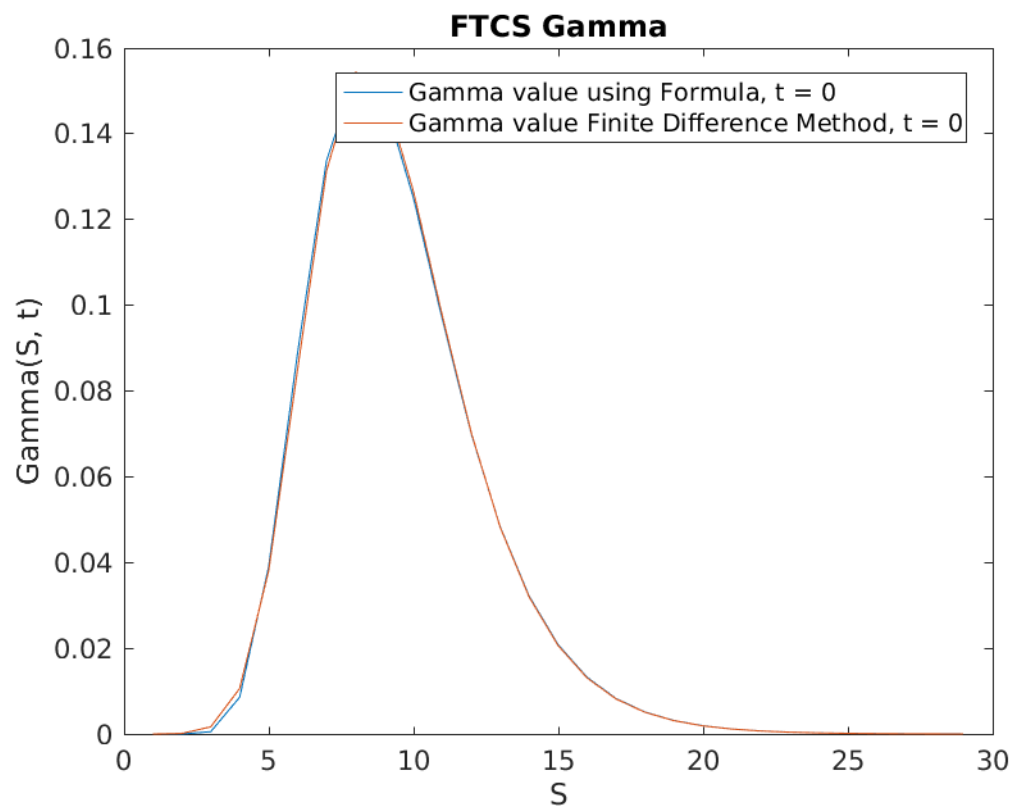


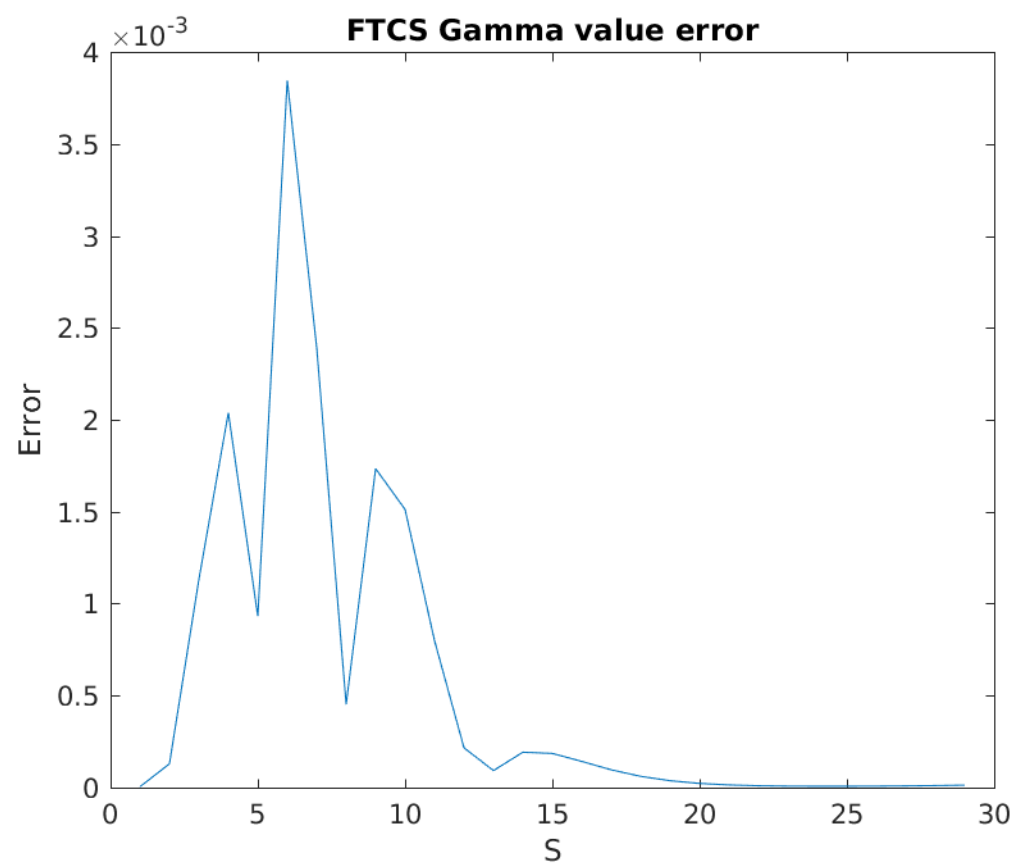


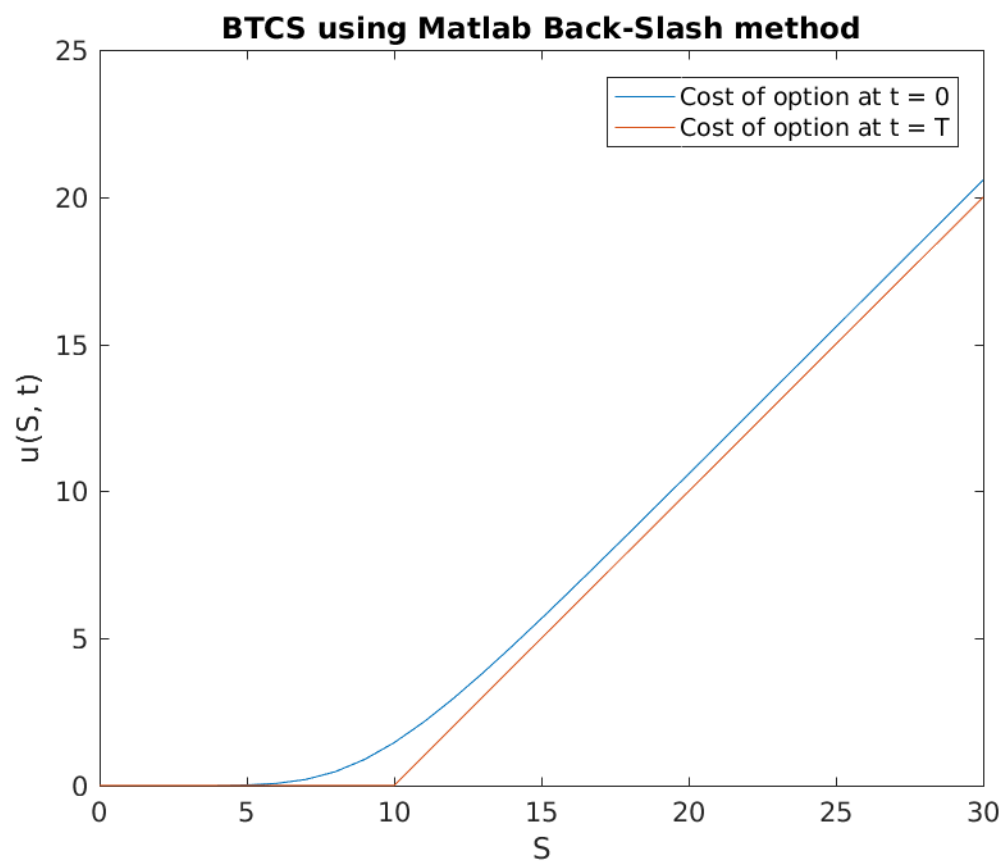


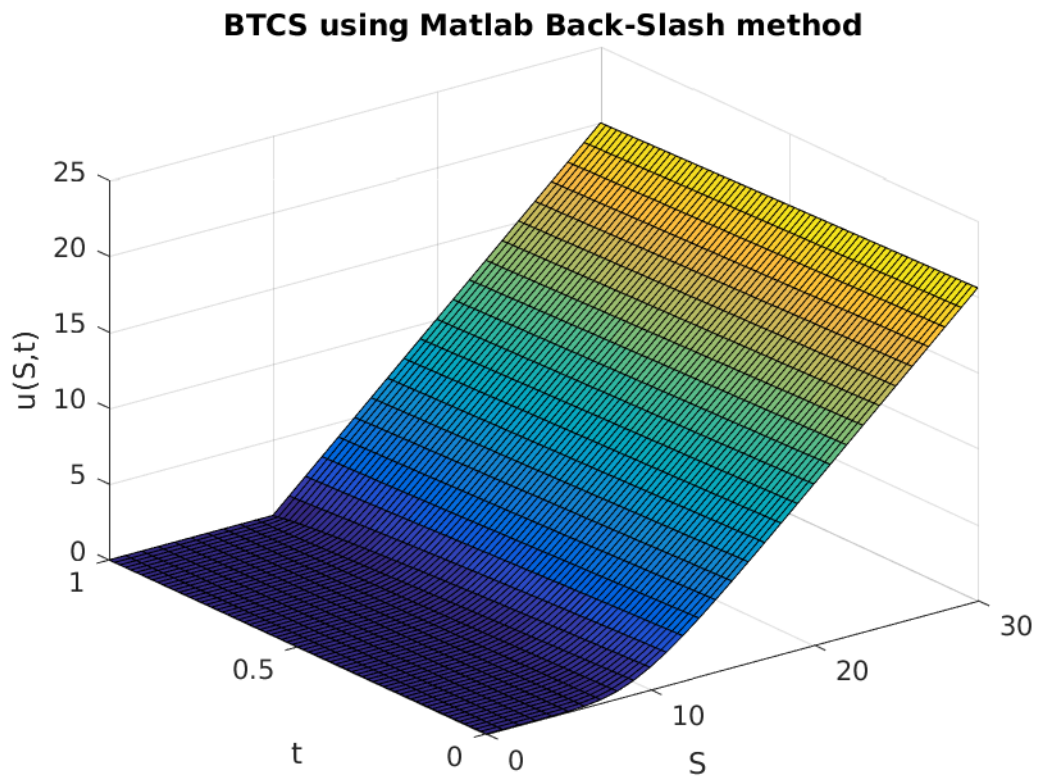


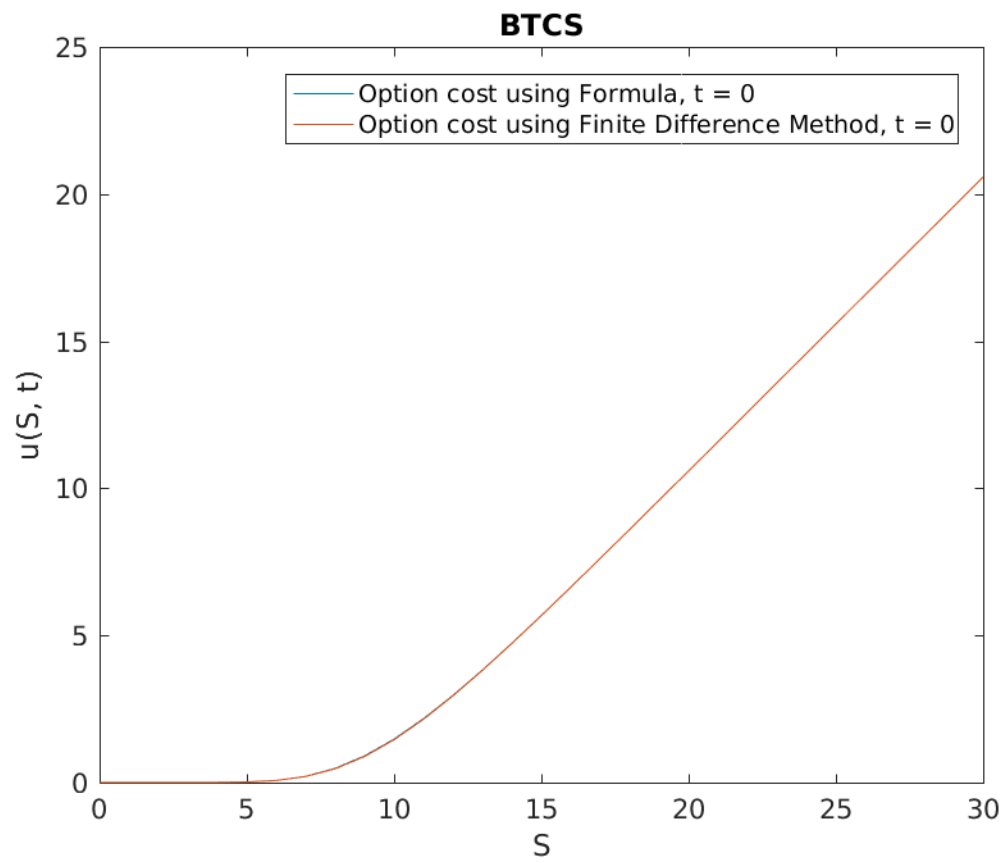


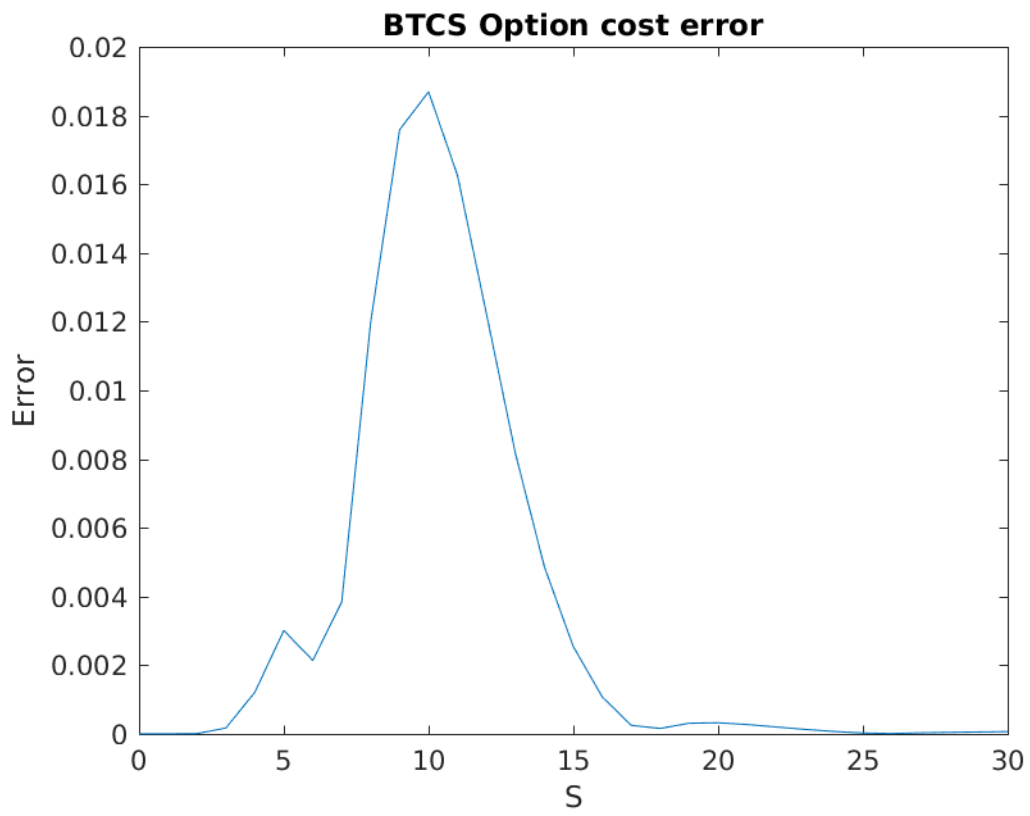


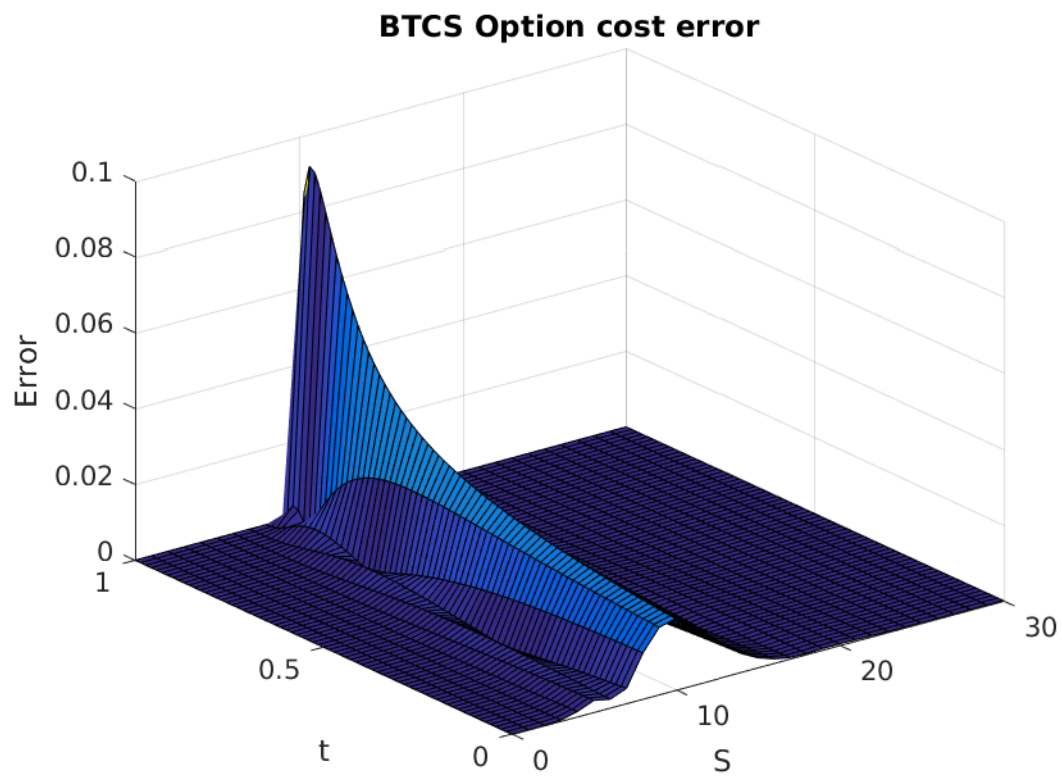




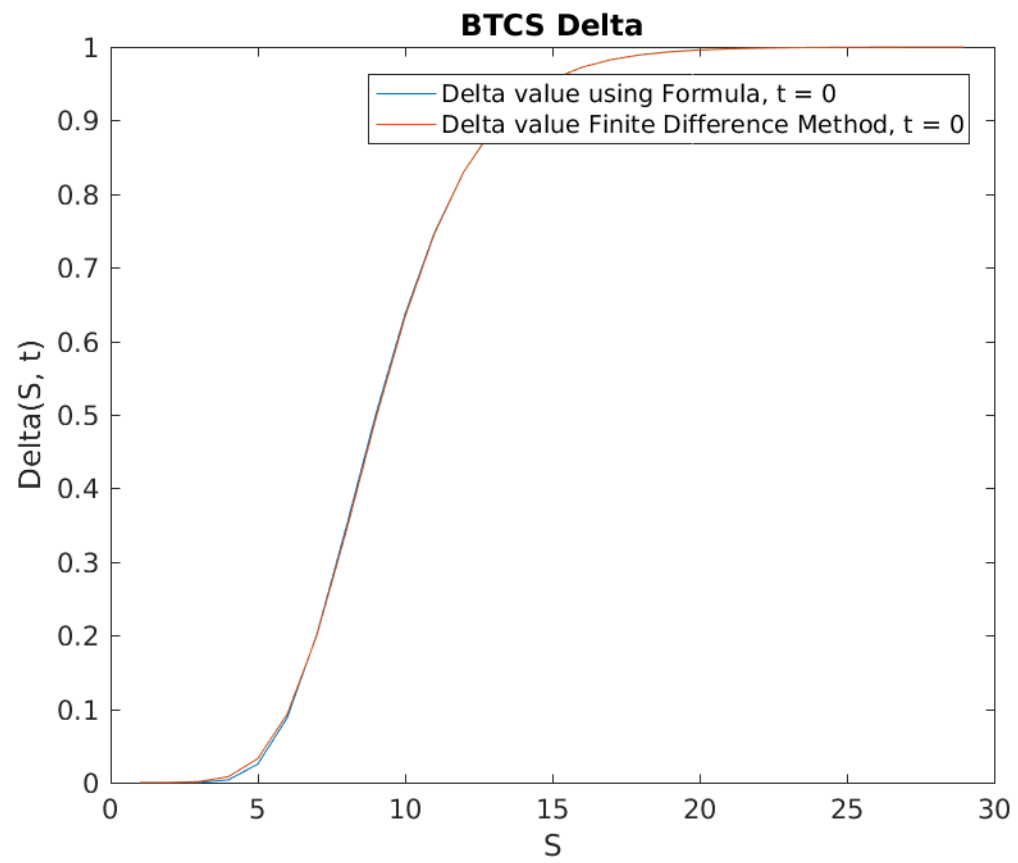


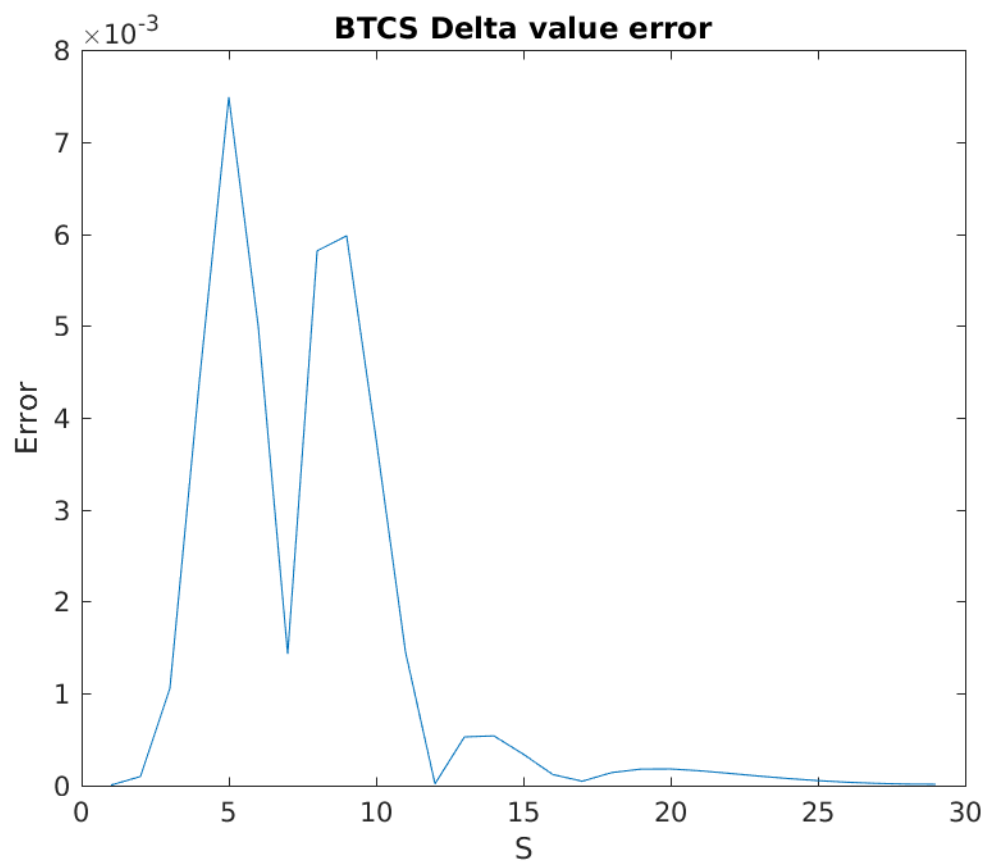


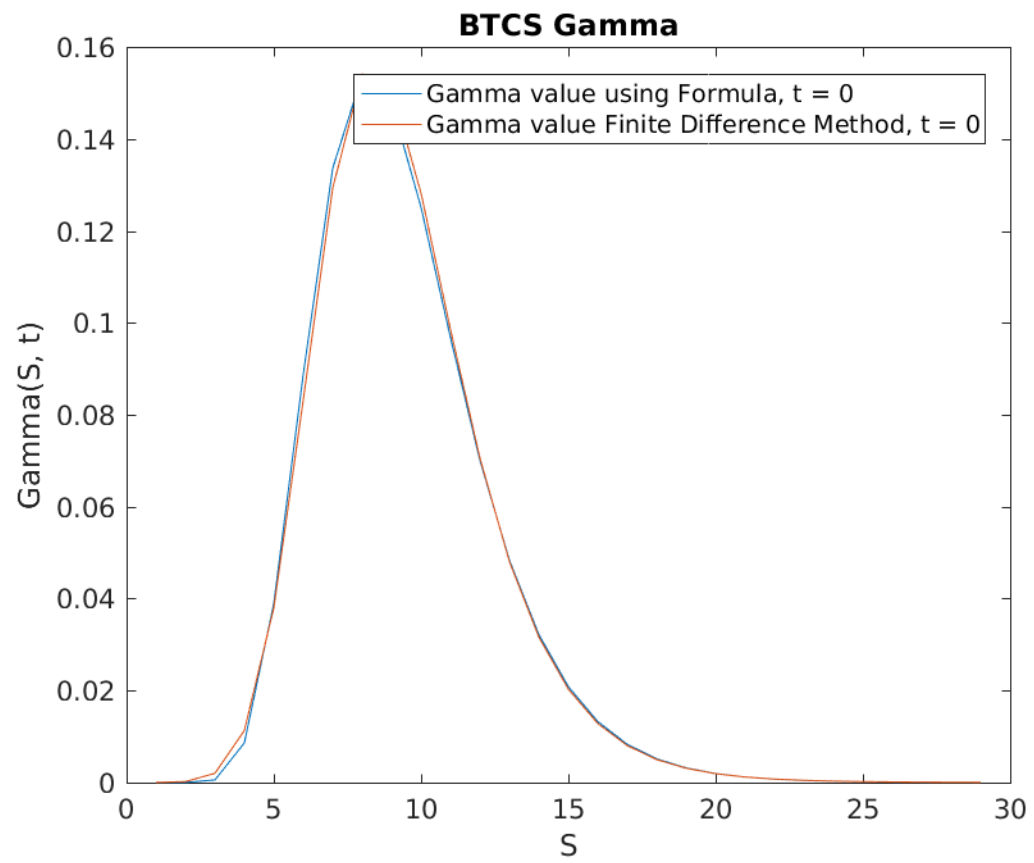


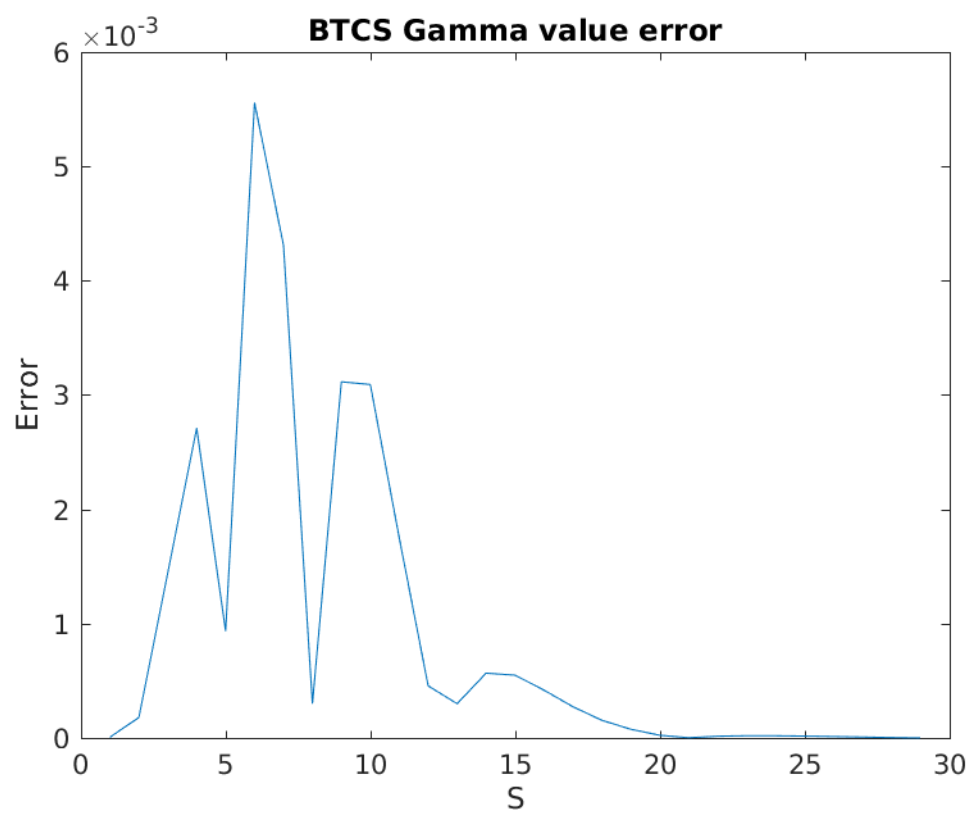


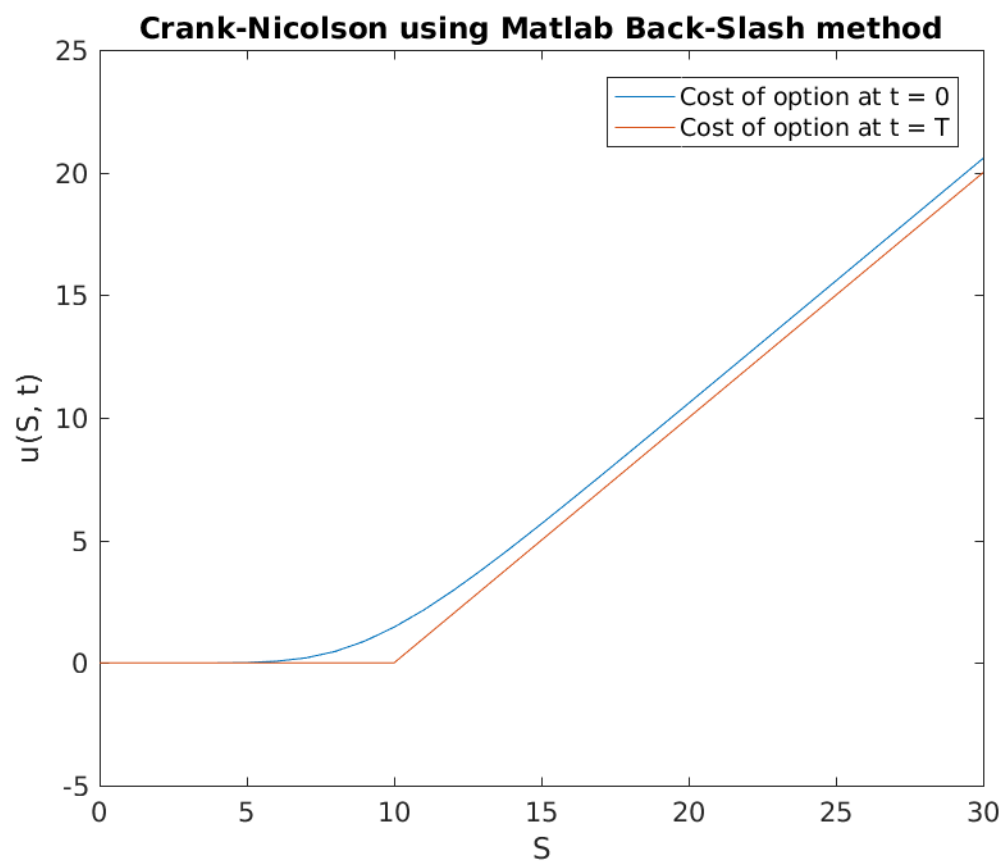






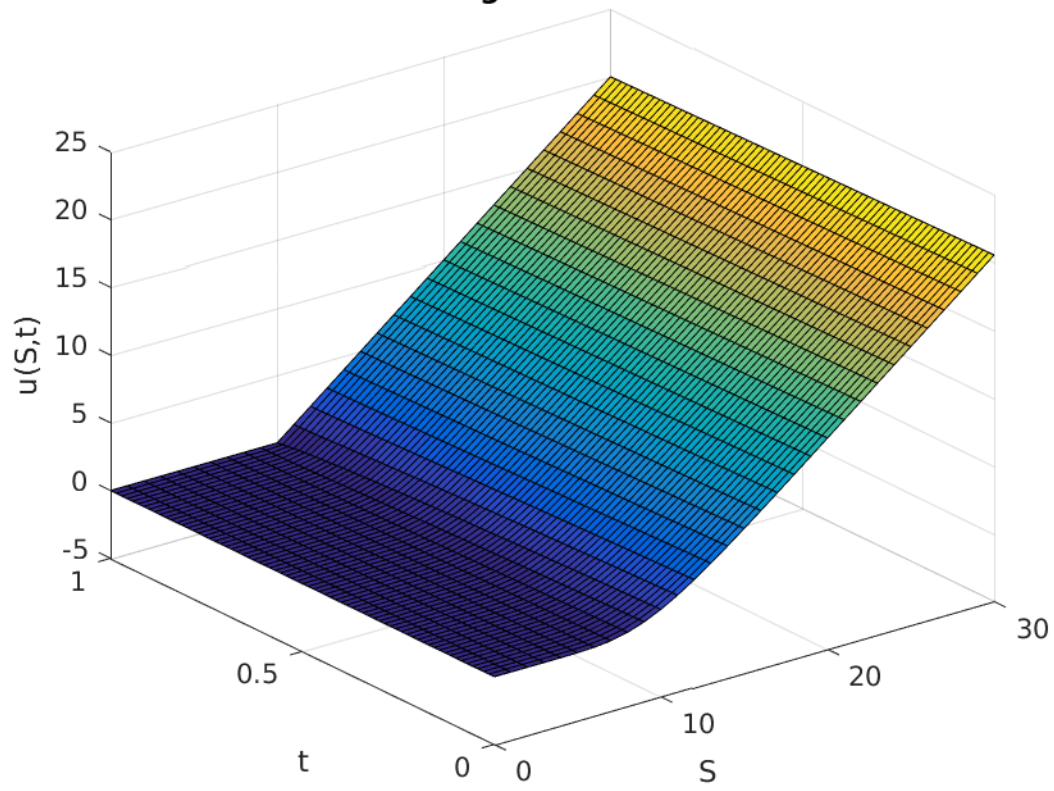


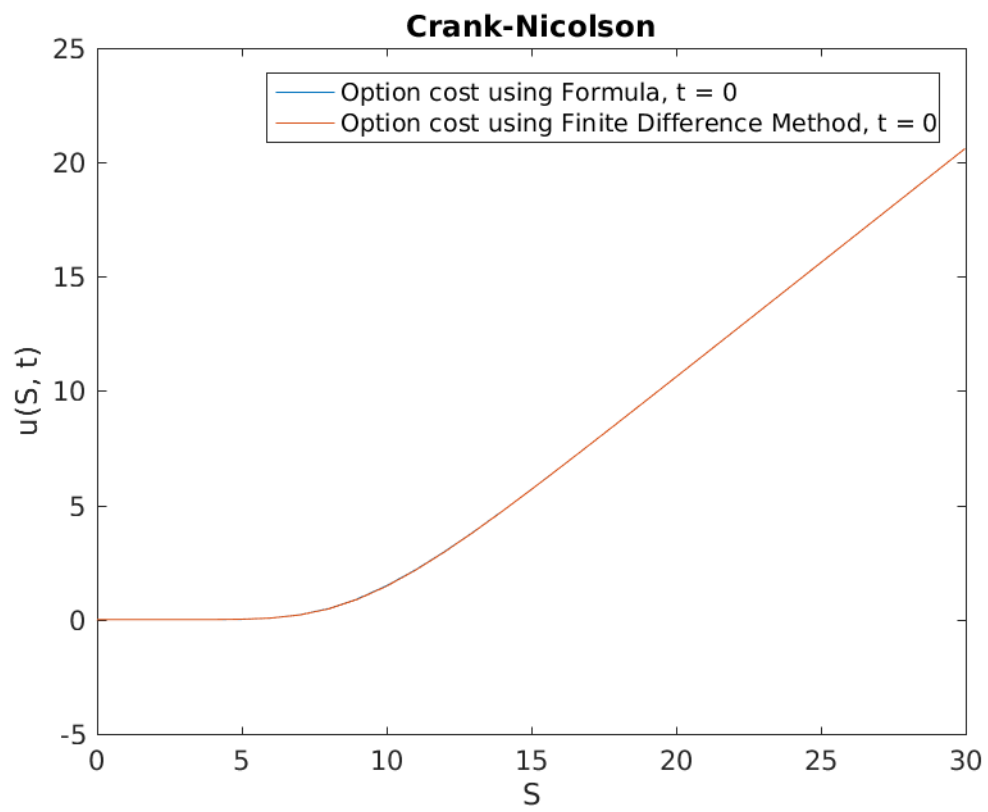


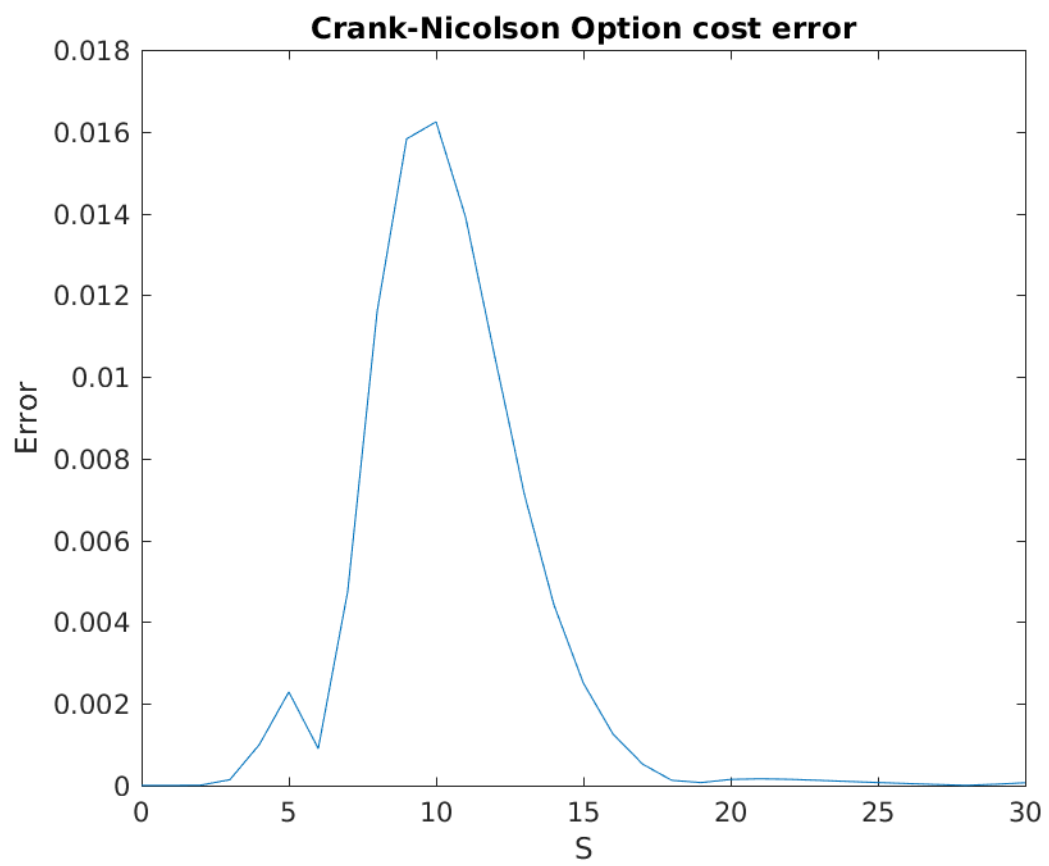


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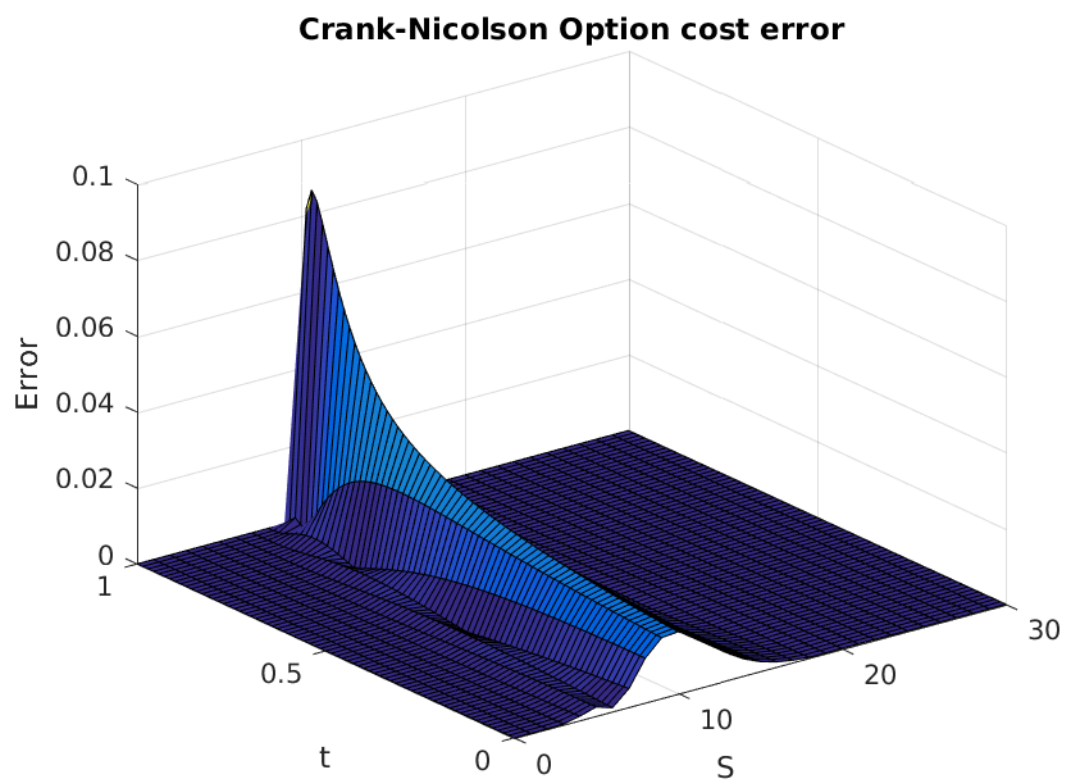
### Crank-Nicolson using Matlab Back-Slash method

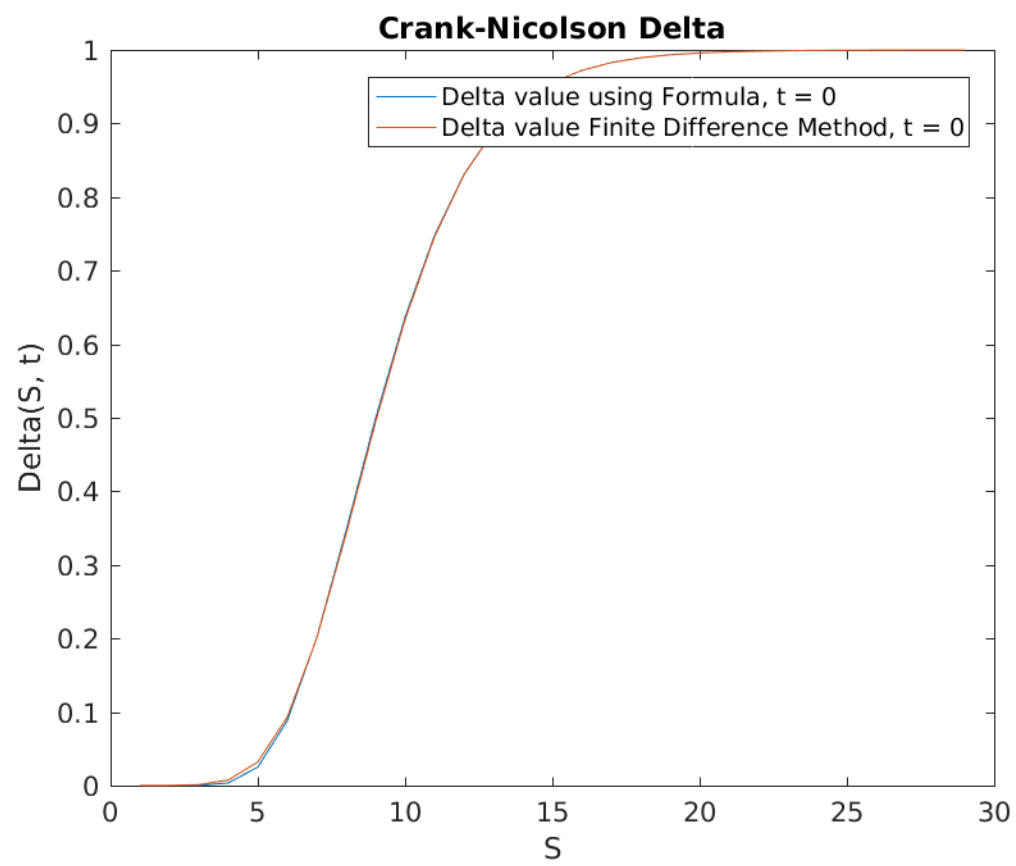


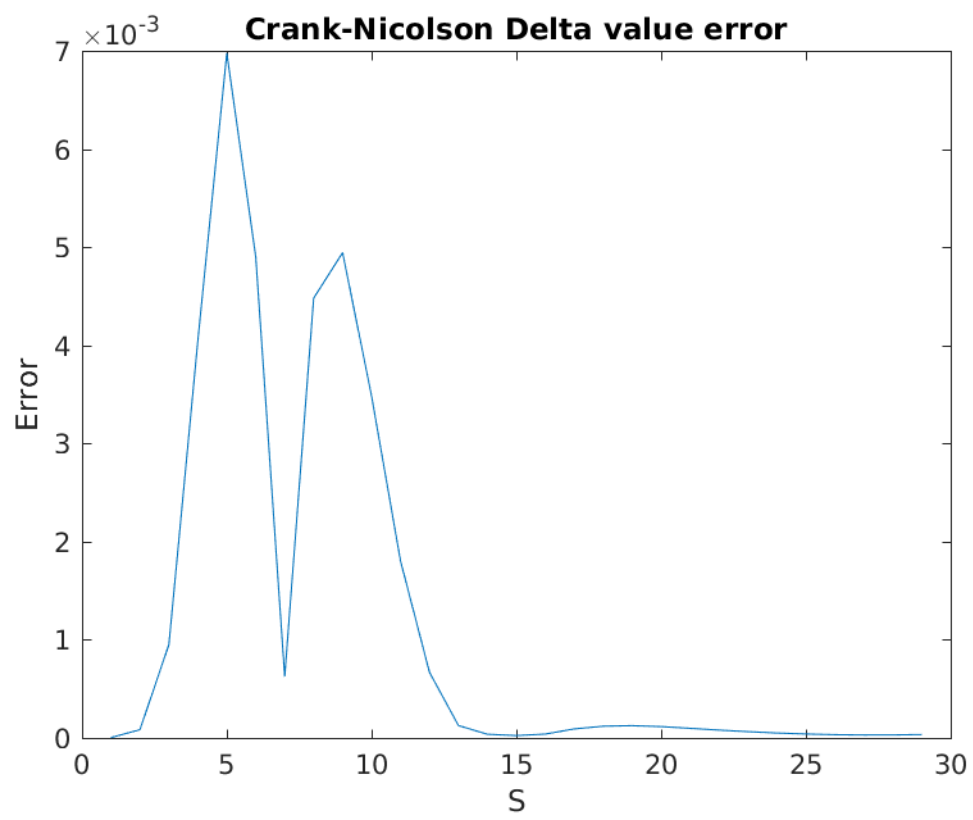


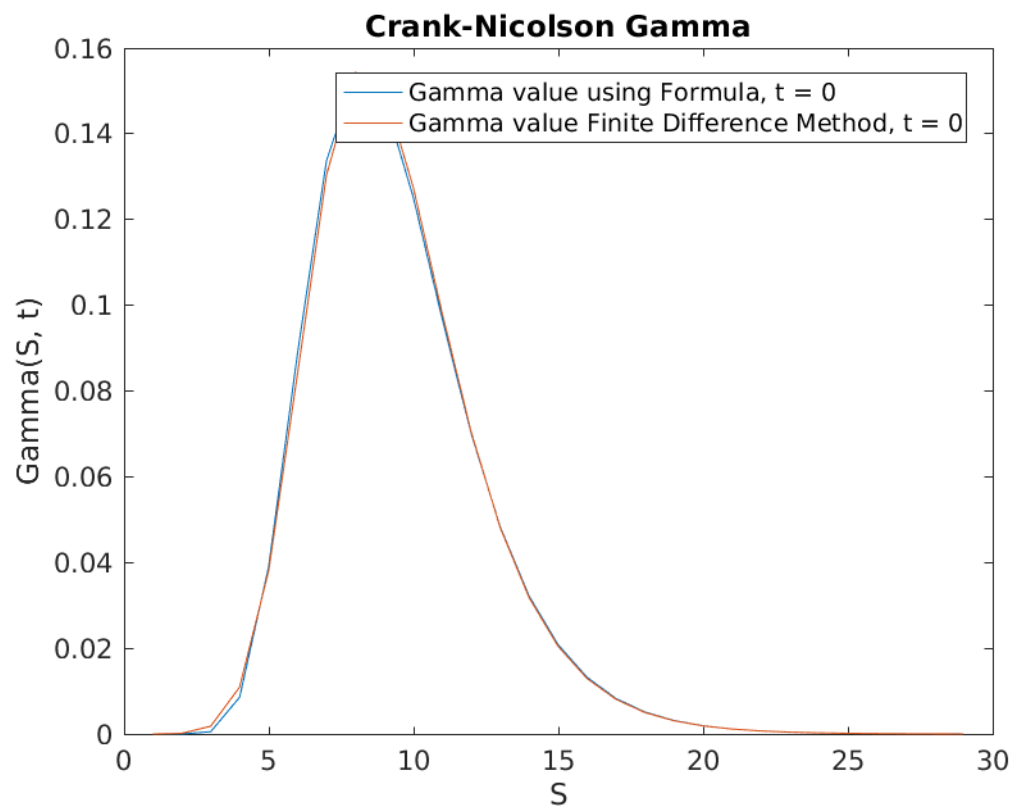


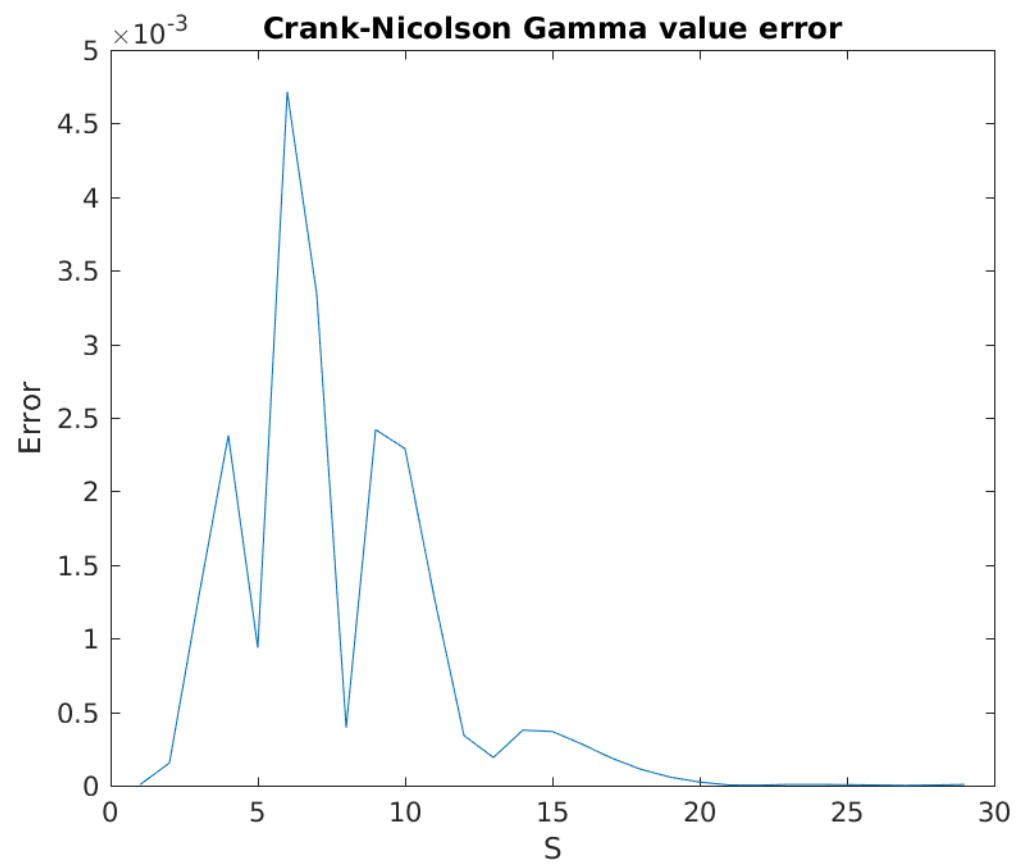






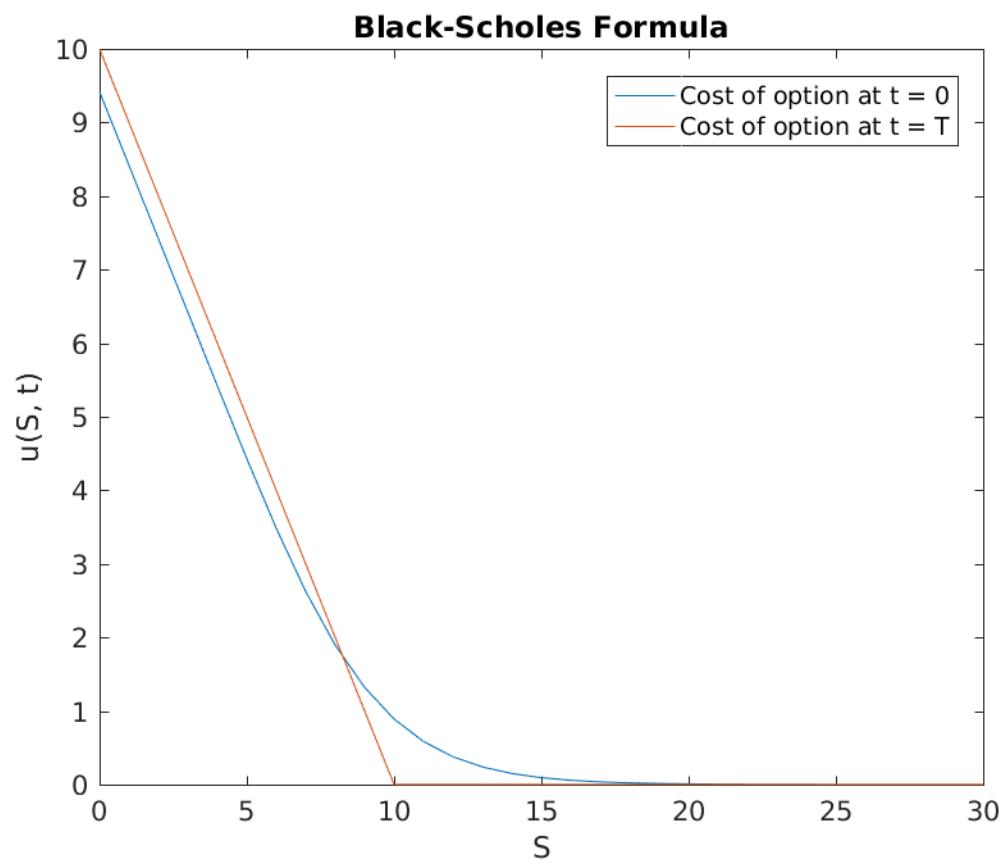


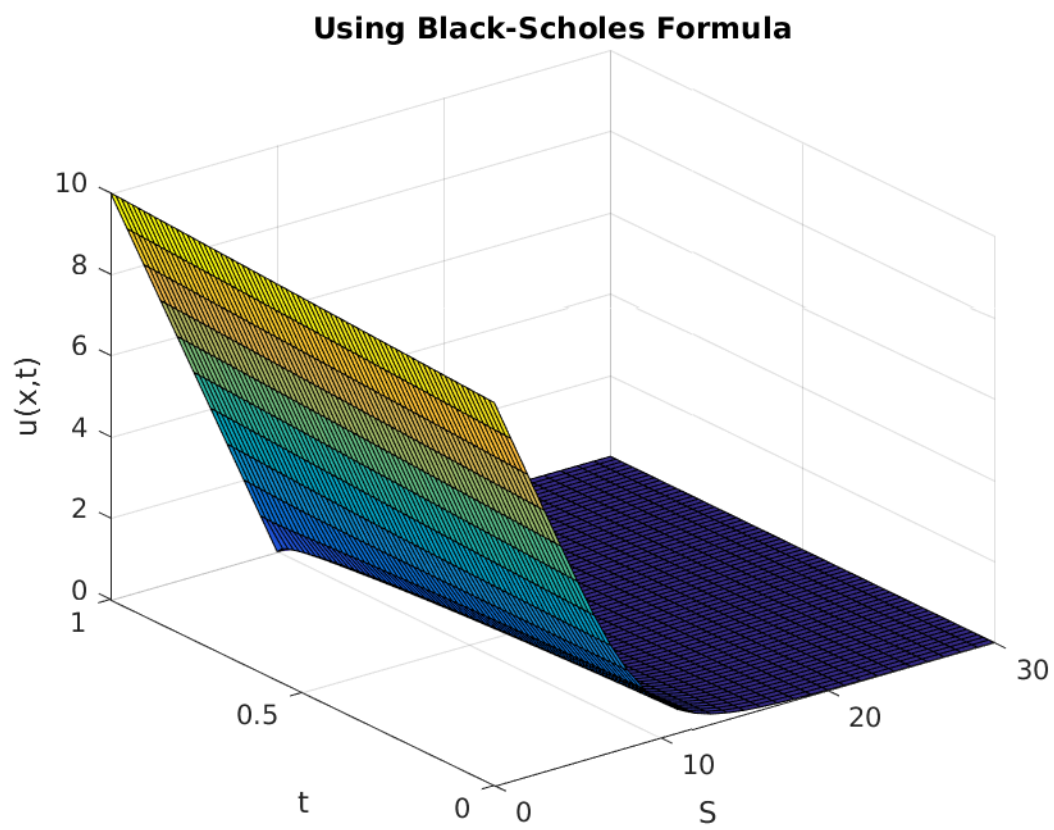


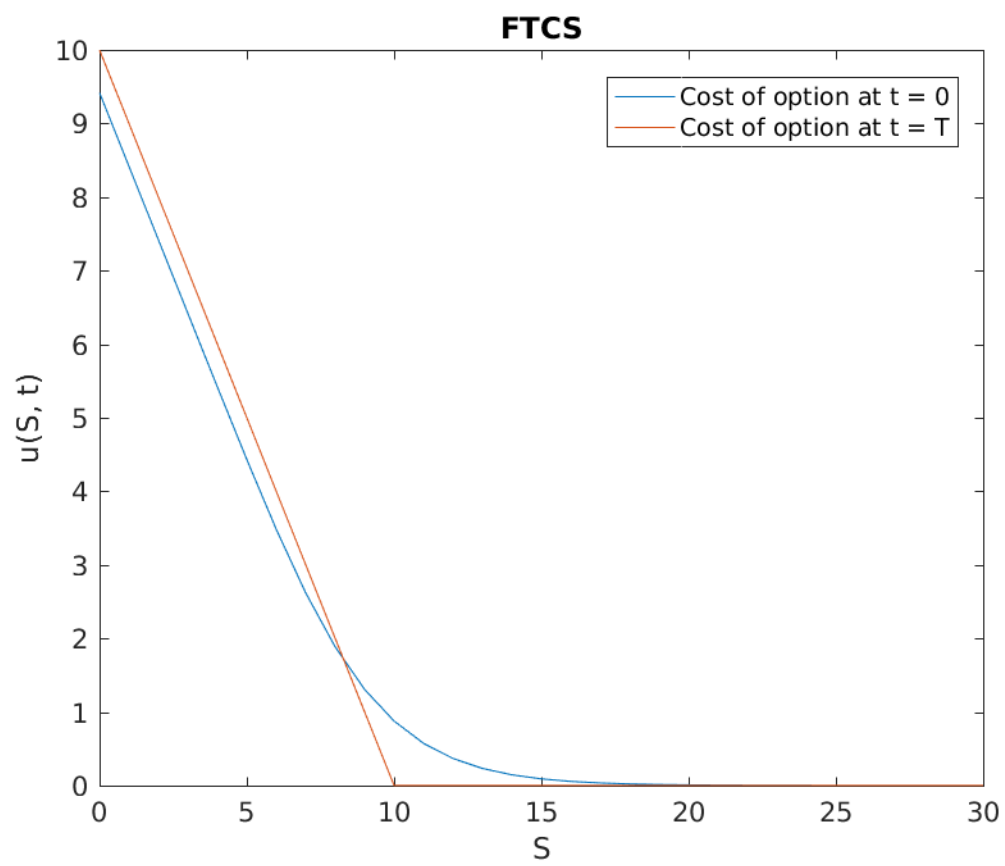


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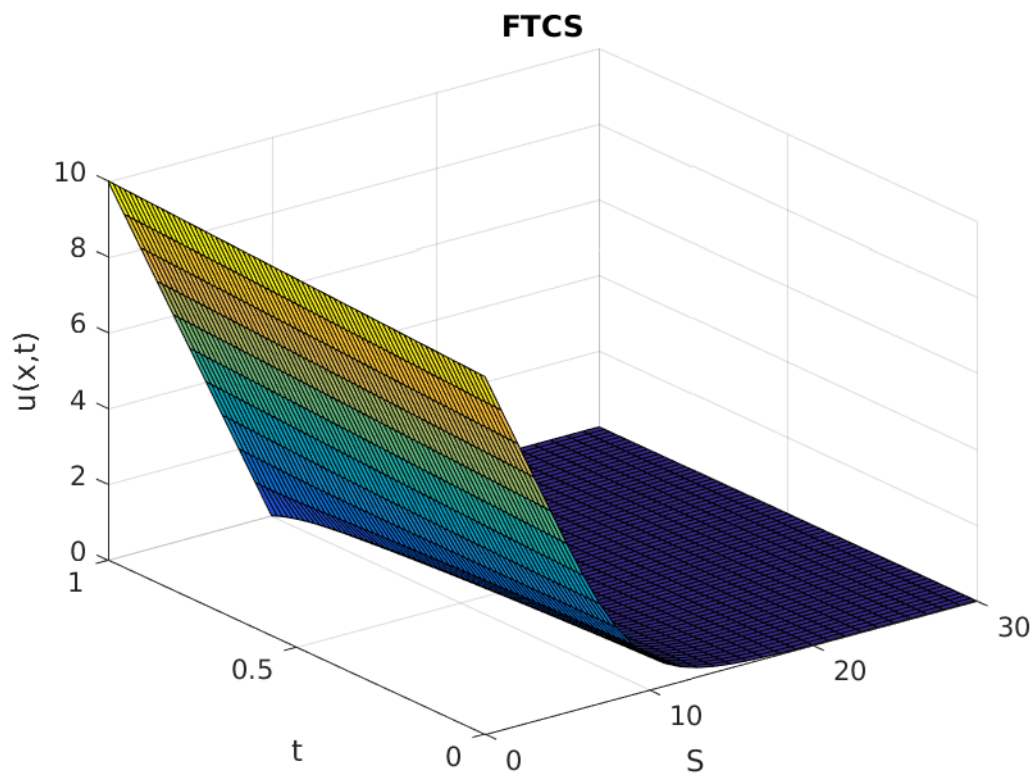
## Question 2

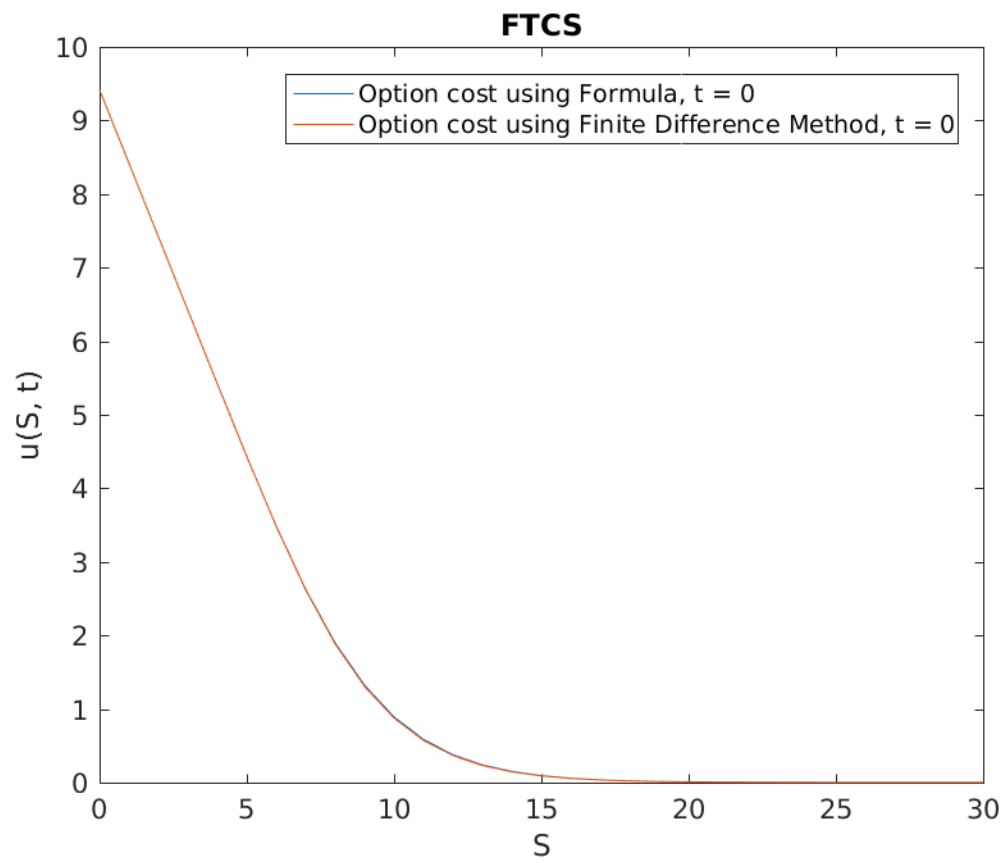


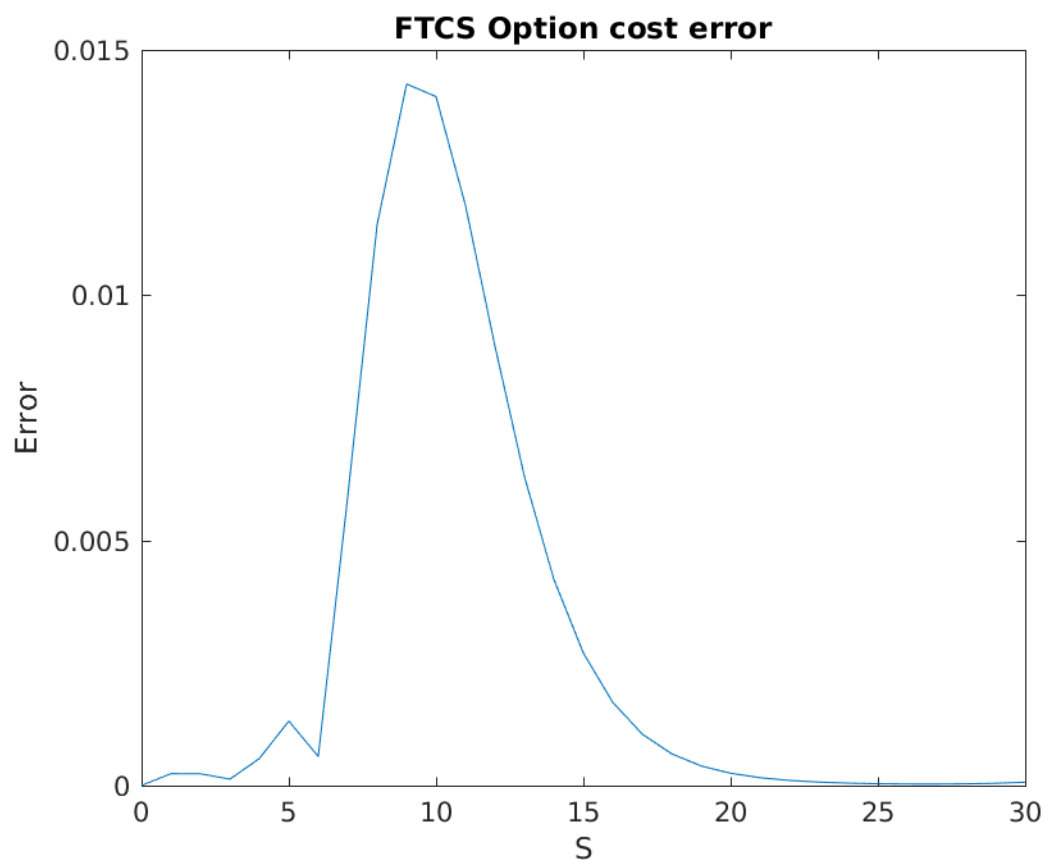


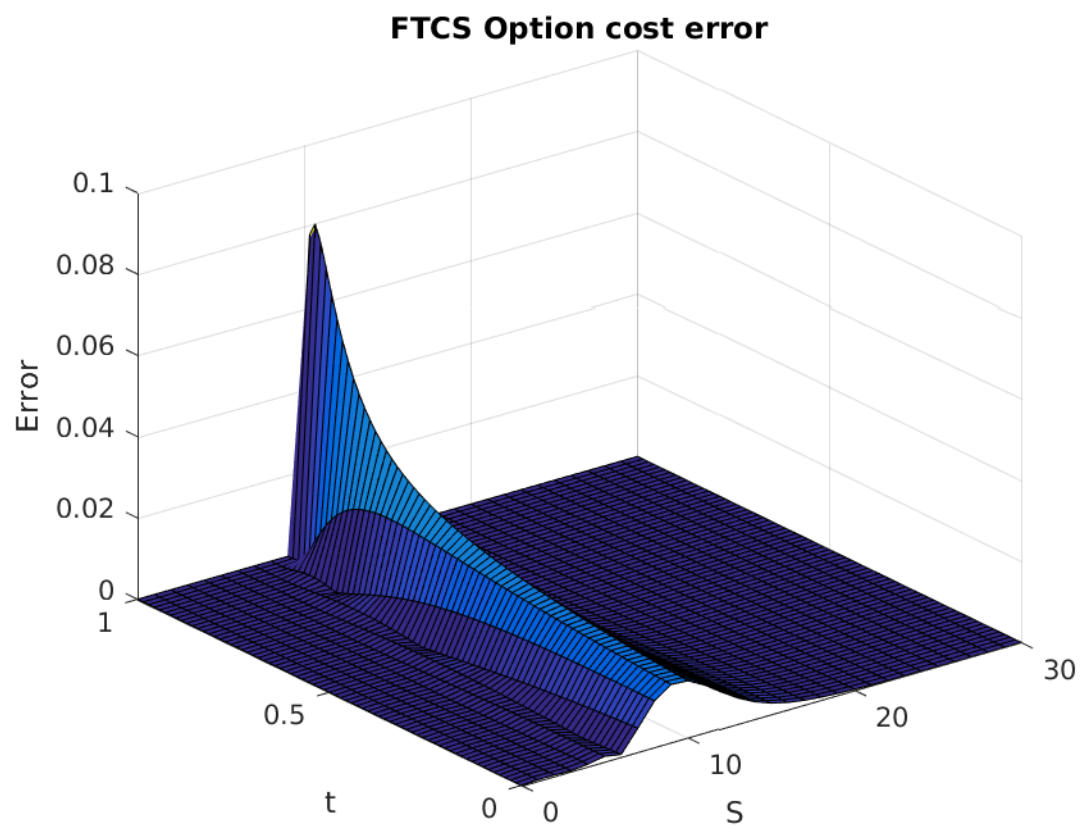


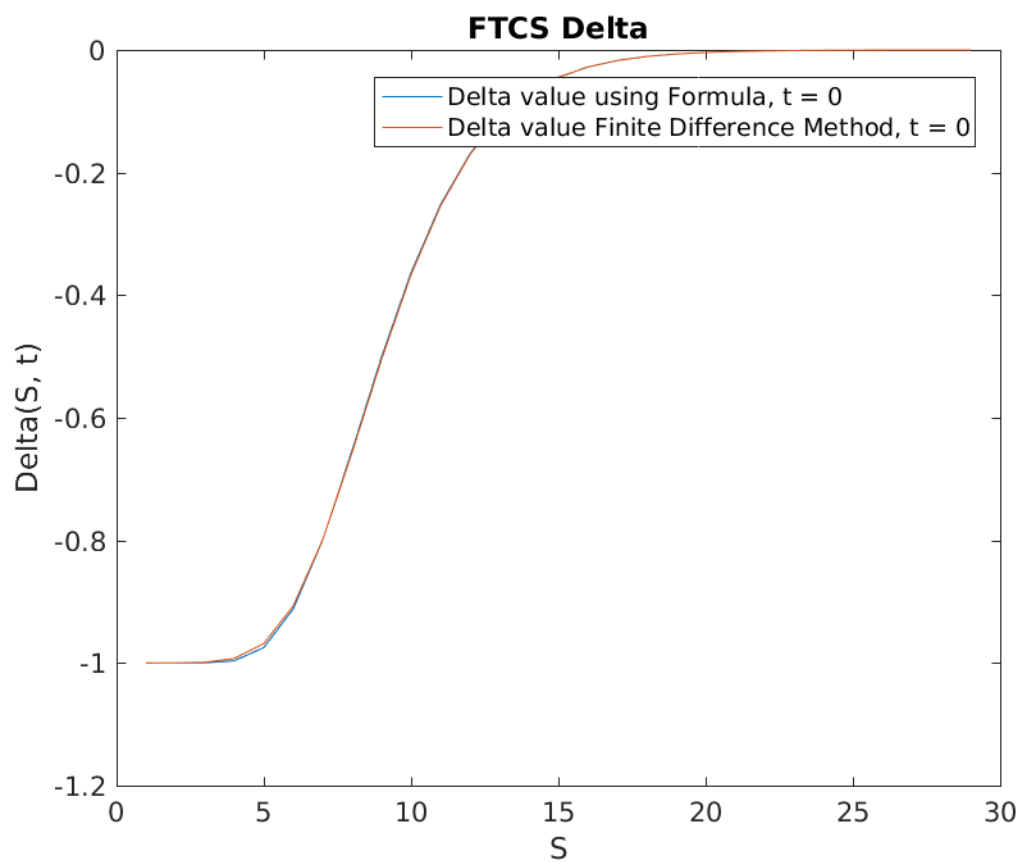


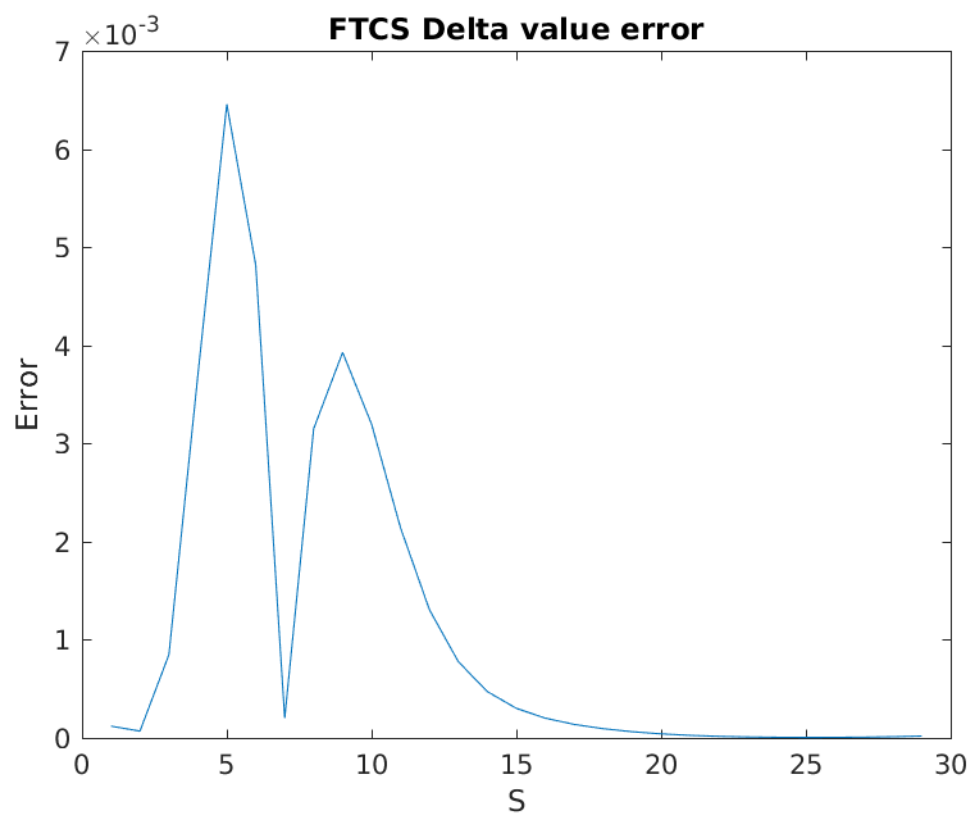


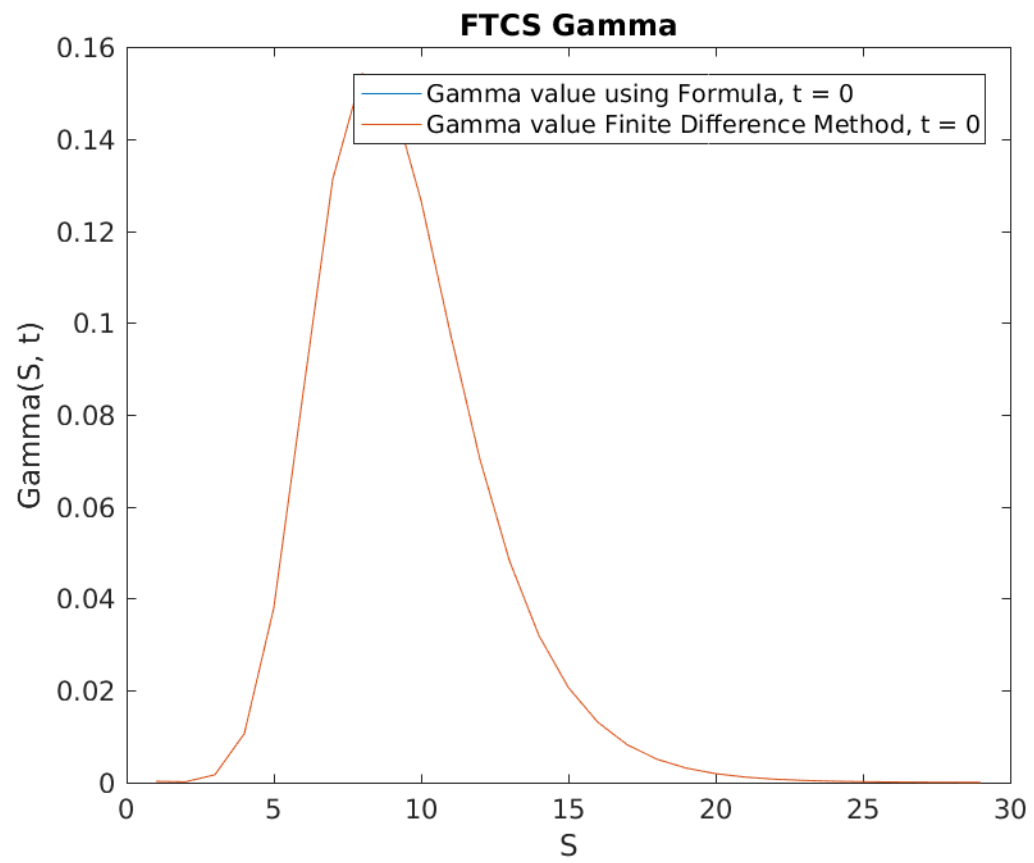


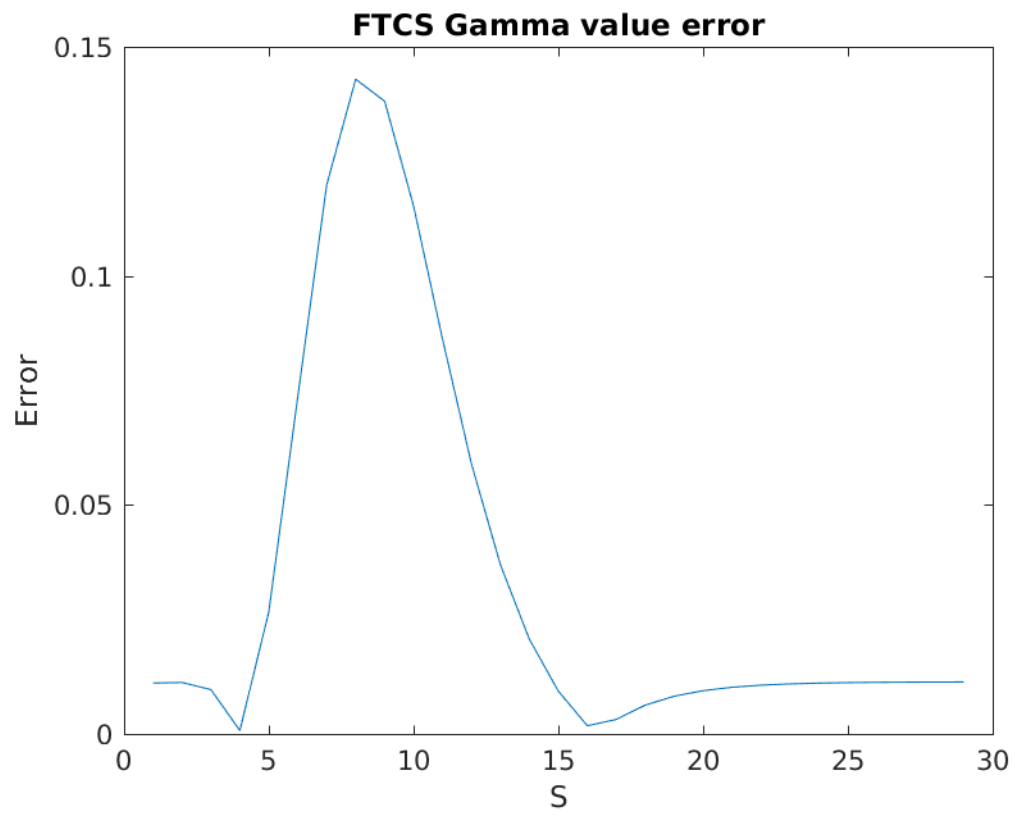




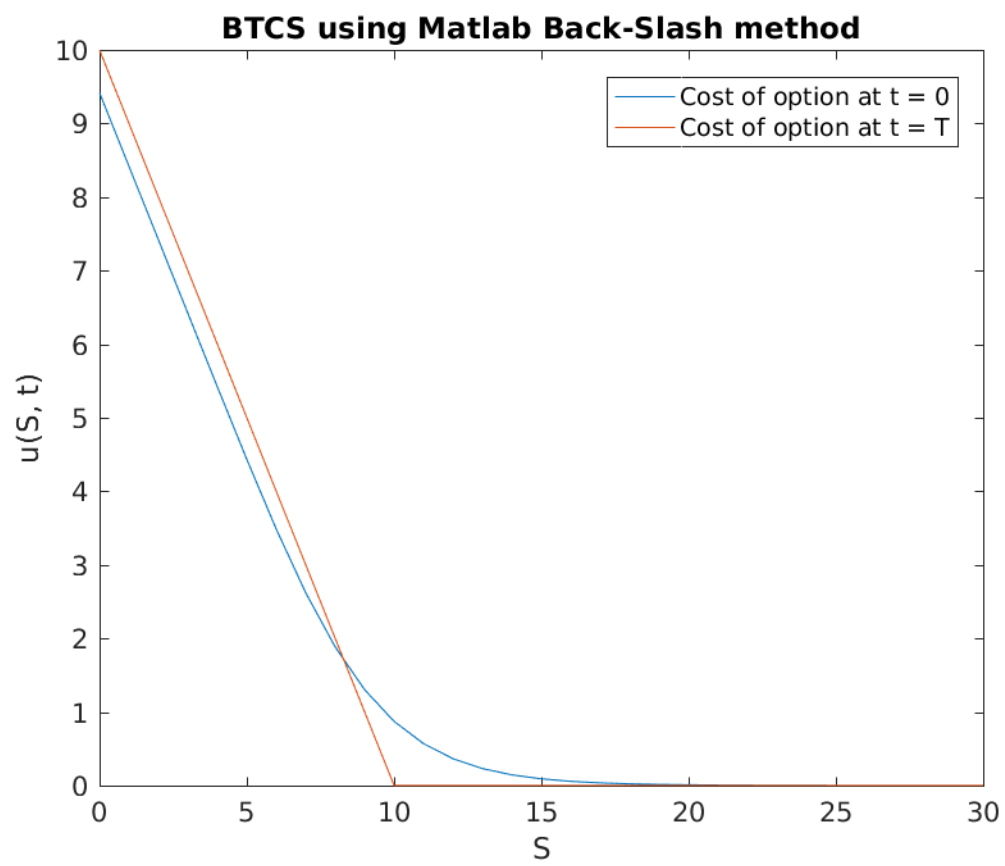


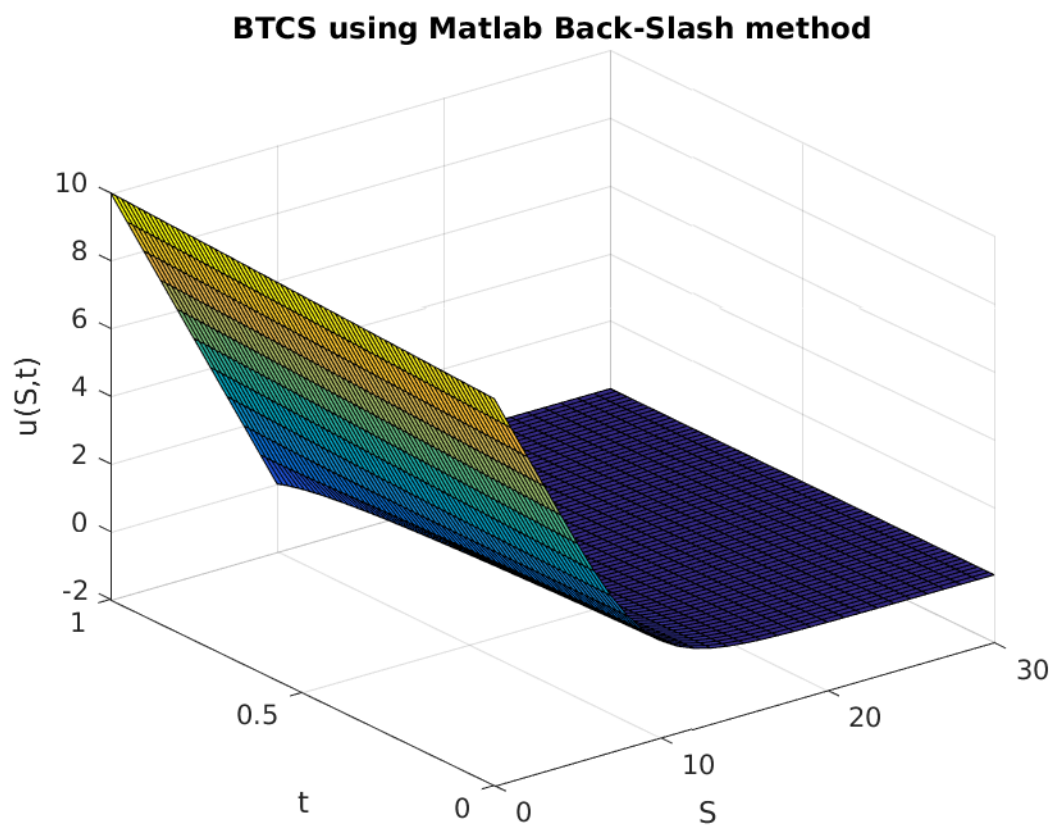


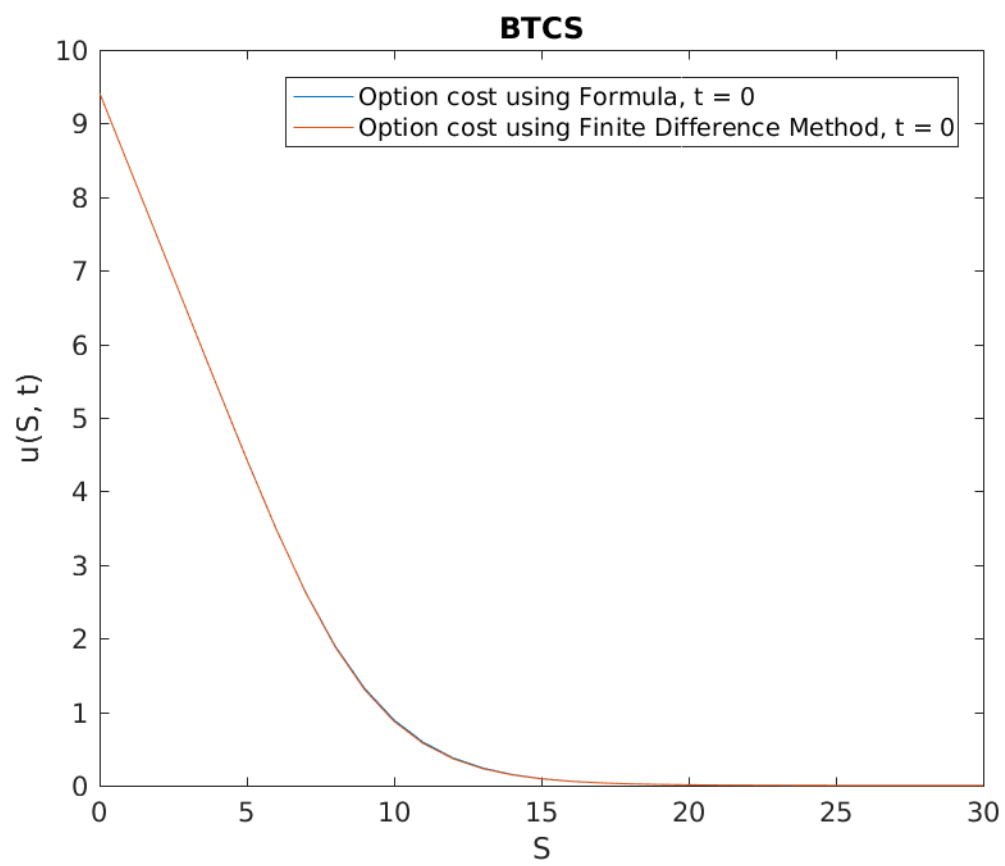


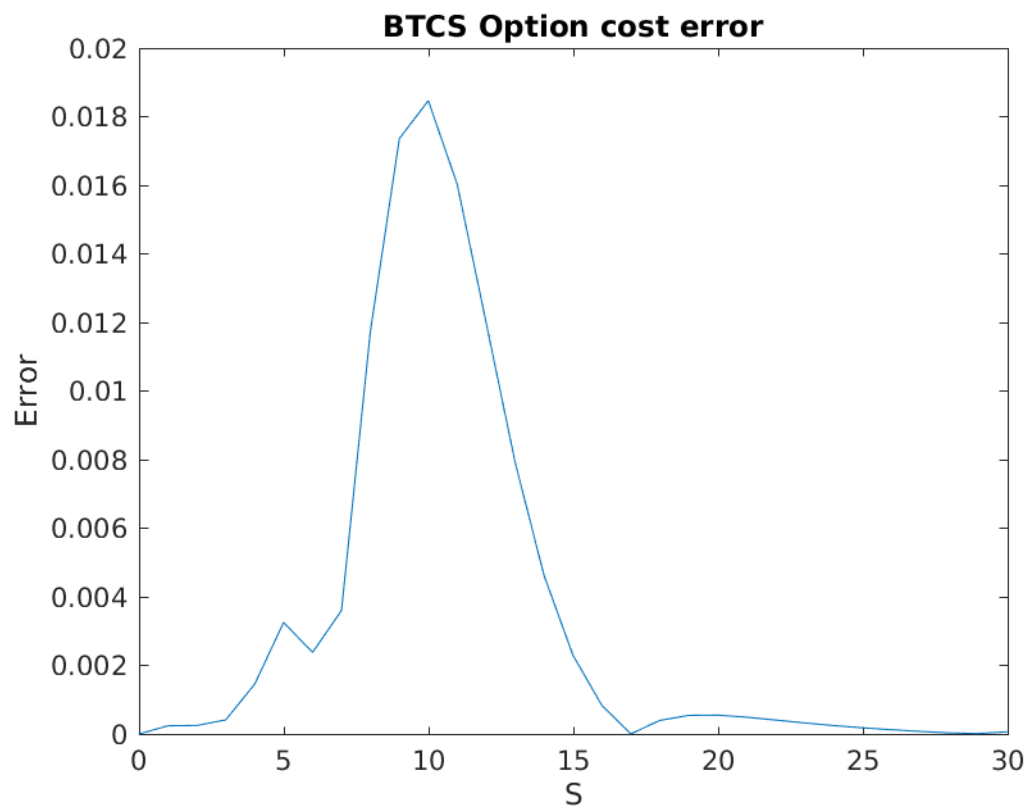


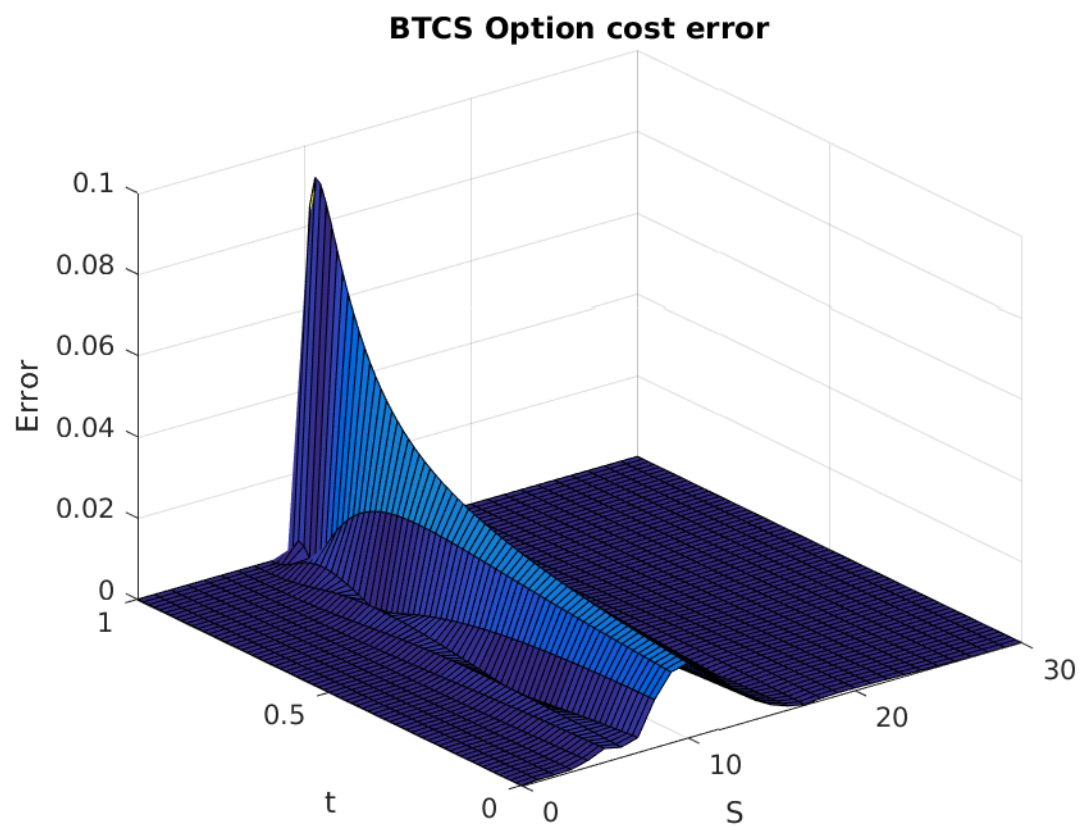


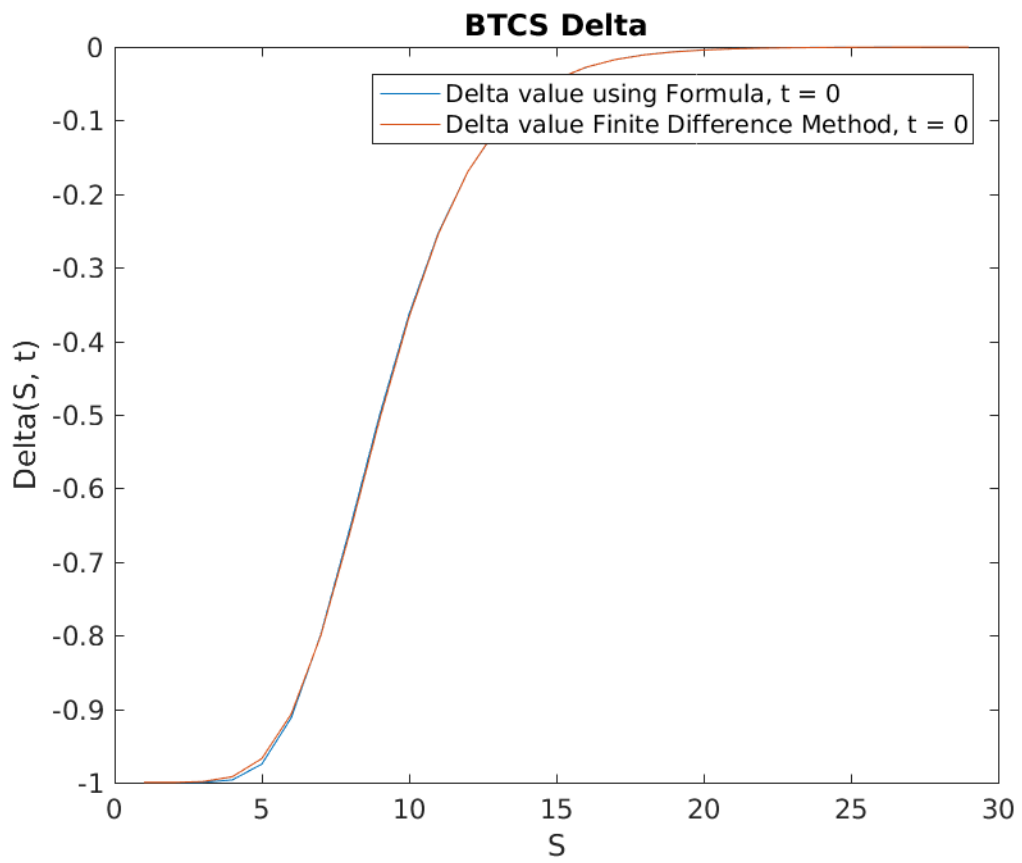


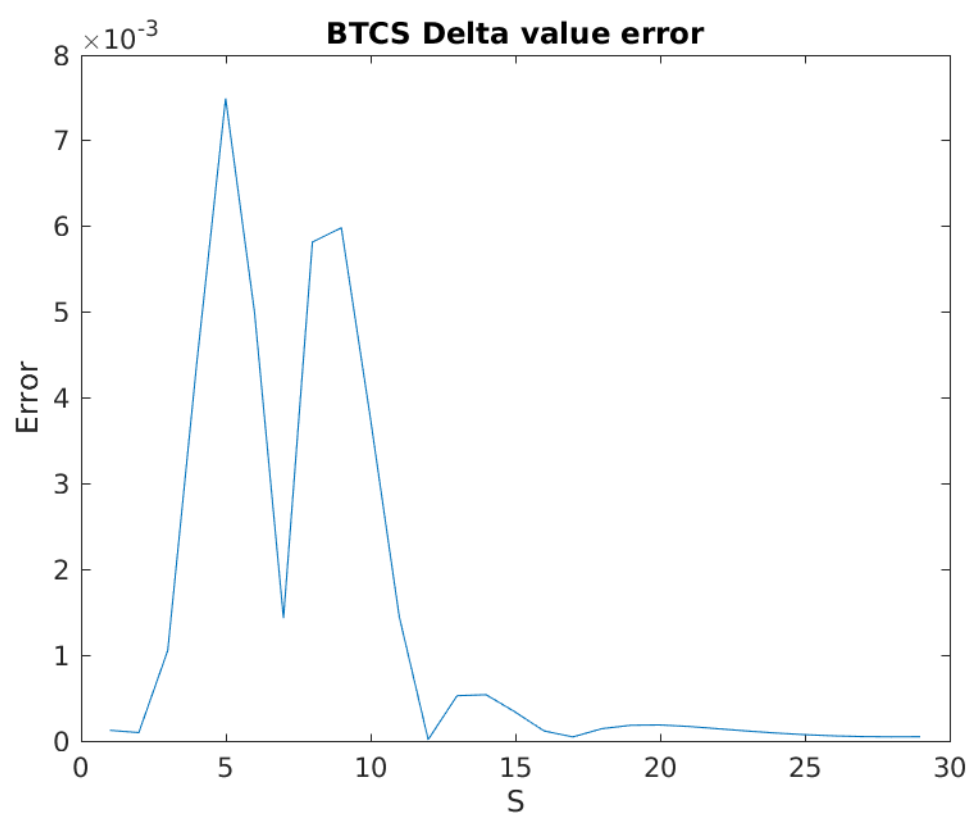


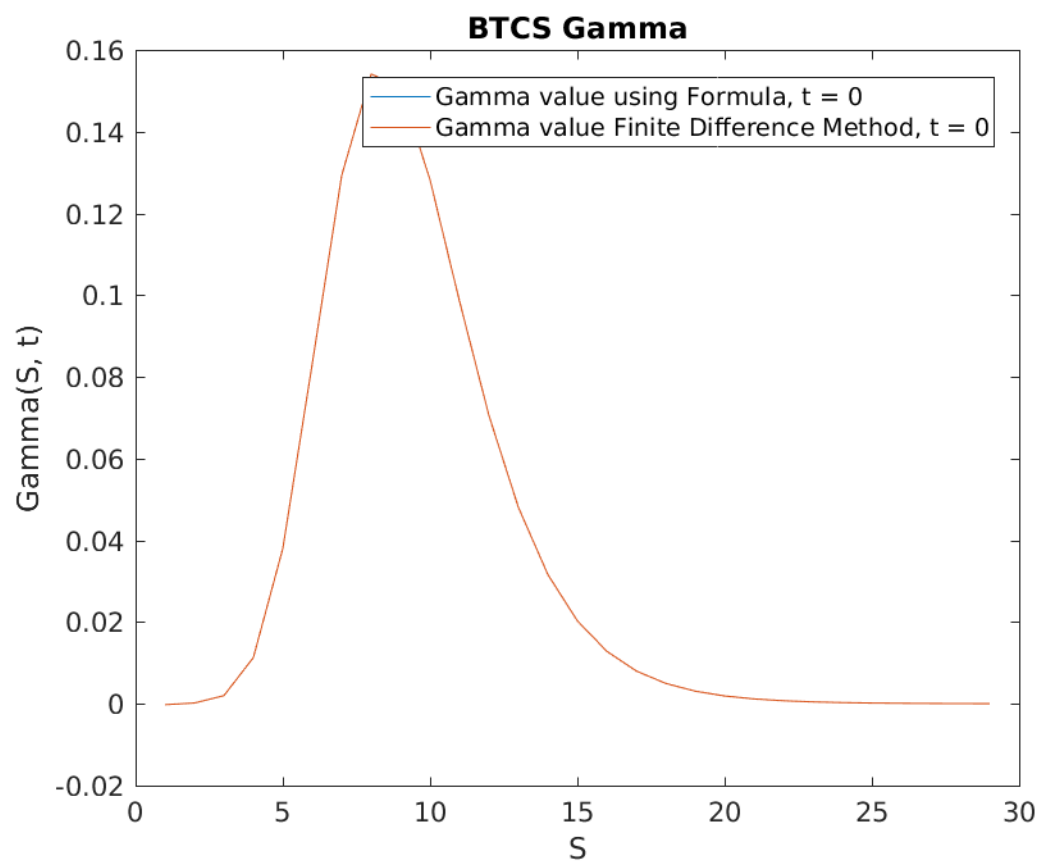




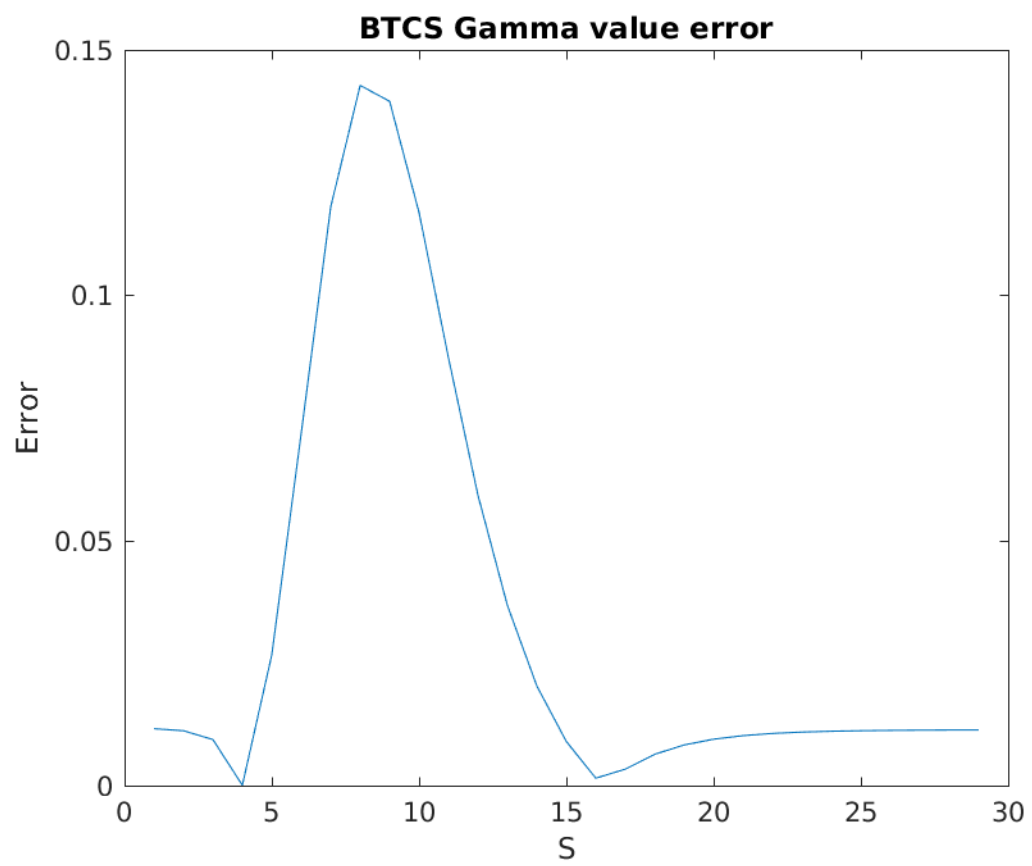


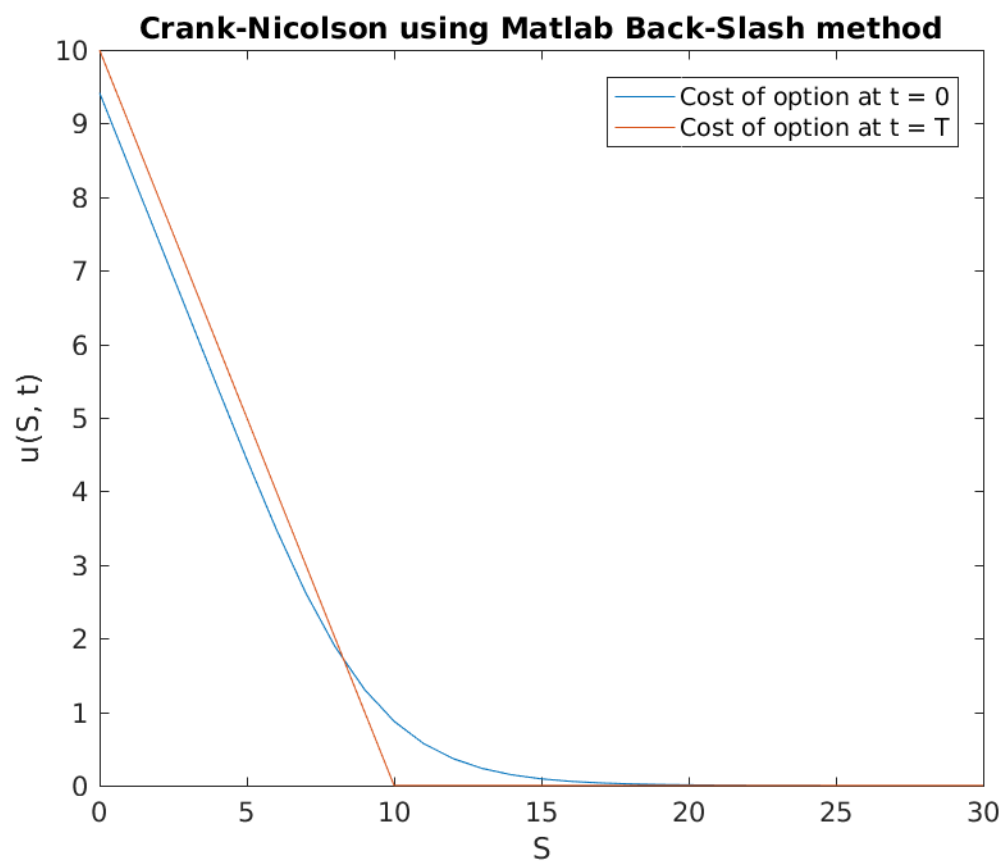












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### Crank-Nicolson using Matlab Back-Slash method

