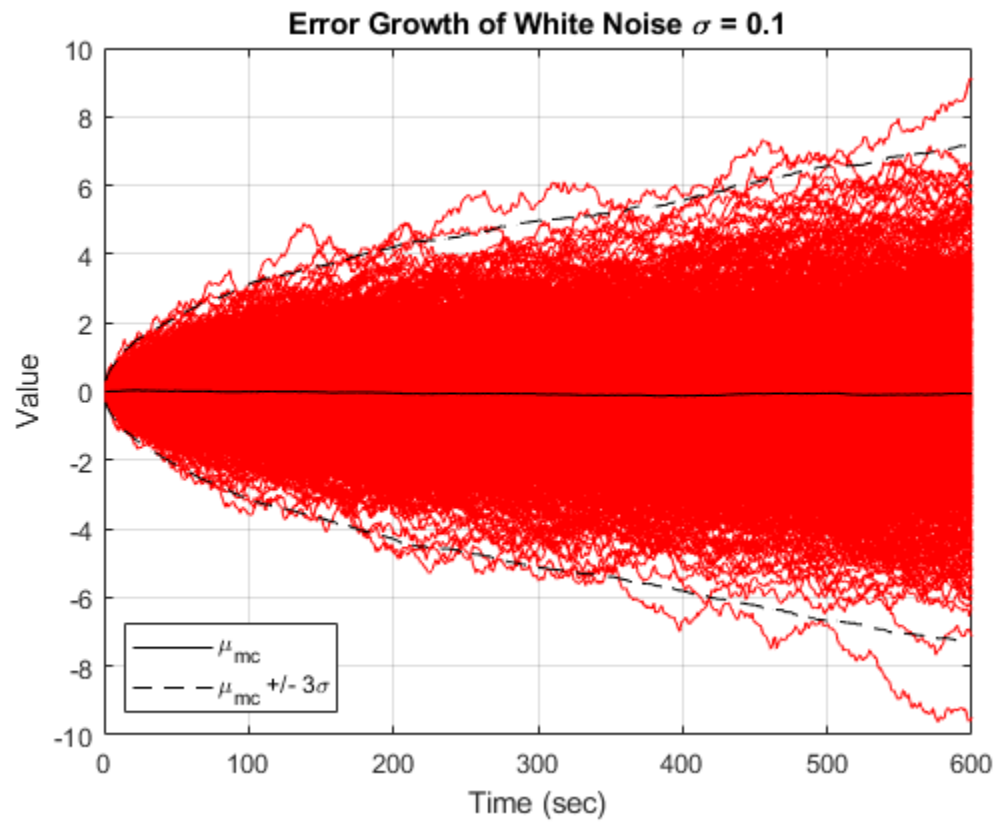
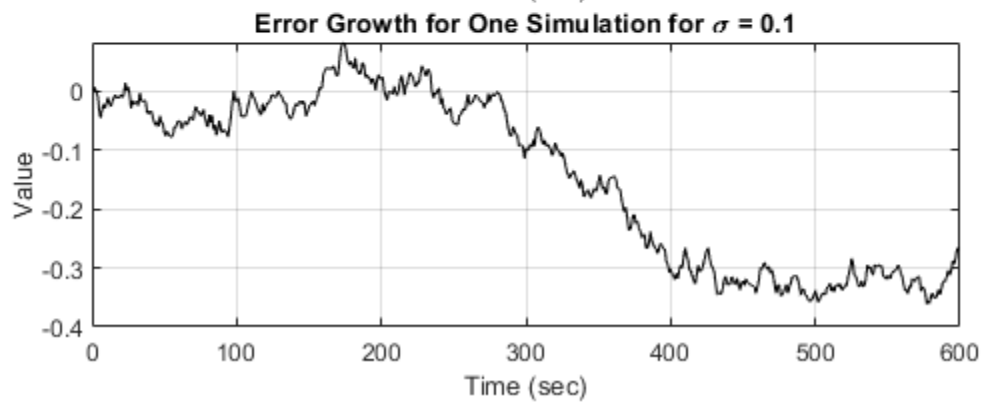
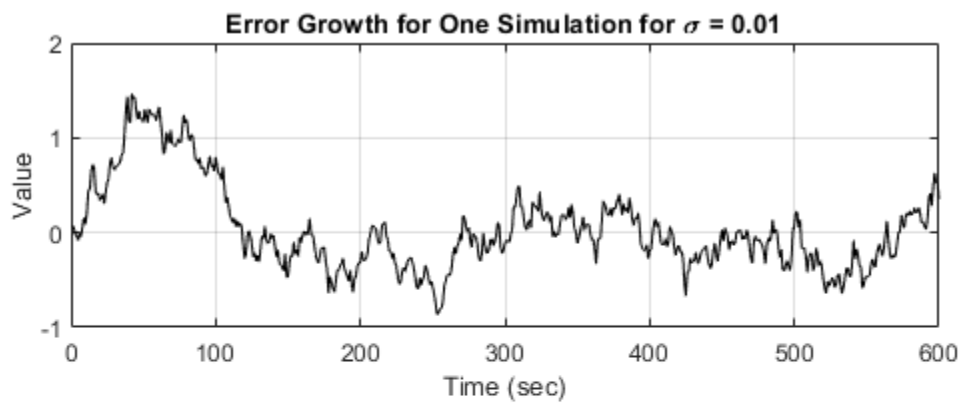
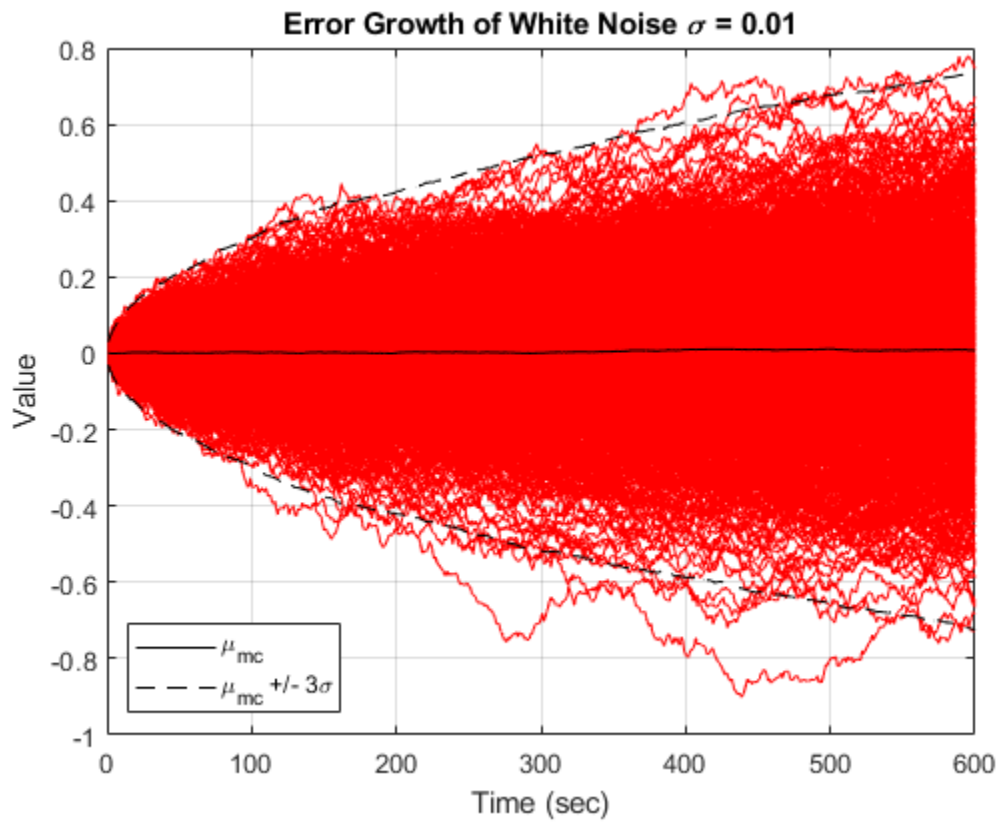
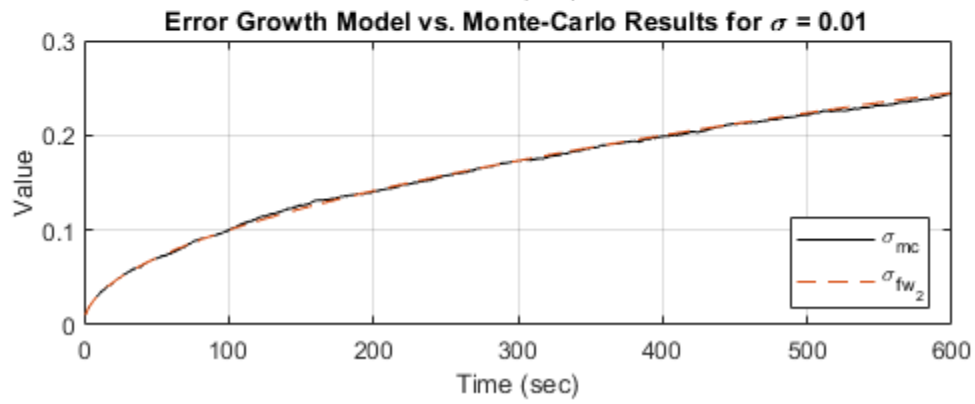
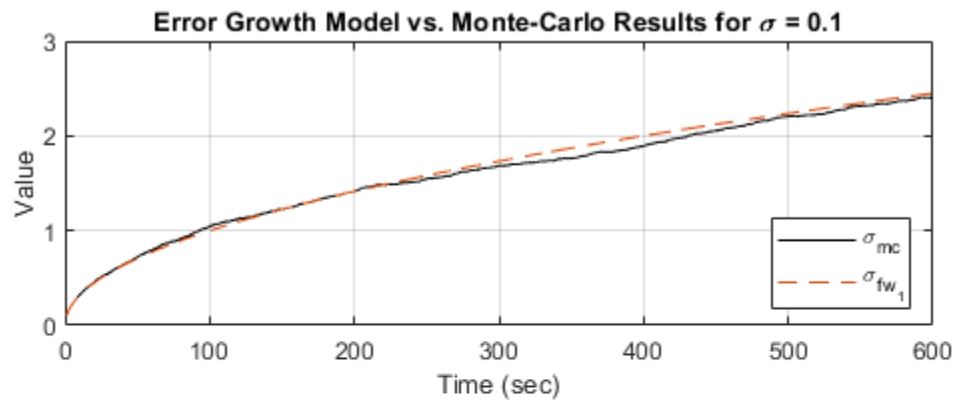

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Question 2 - Part A

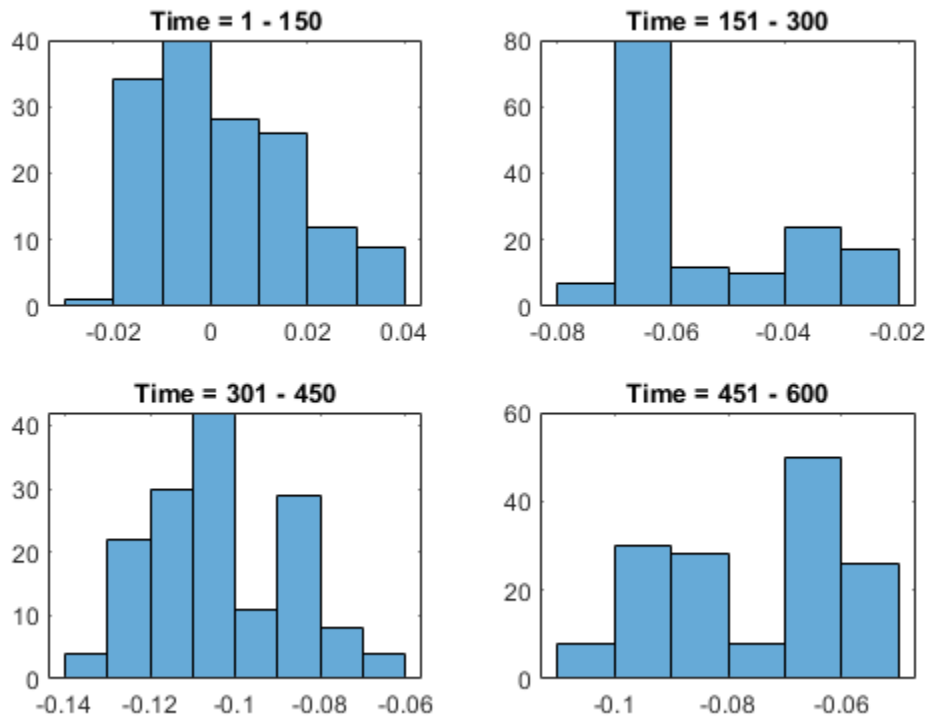




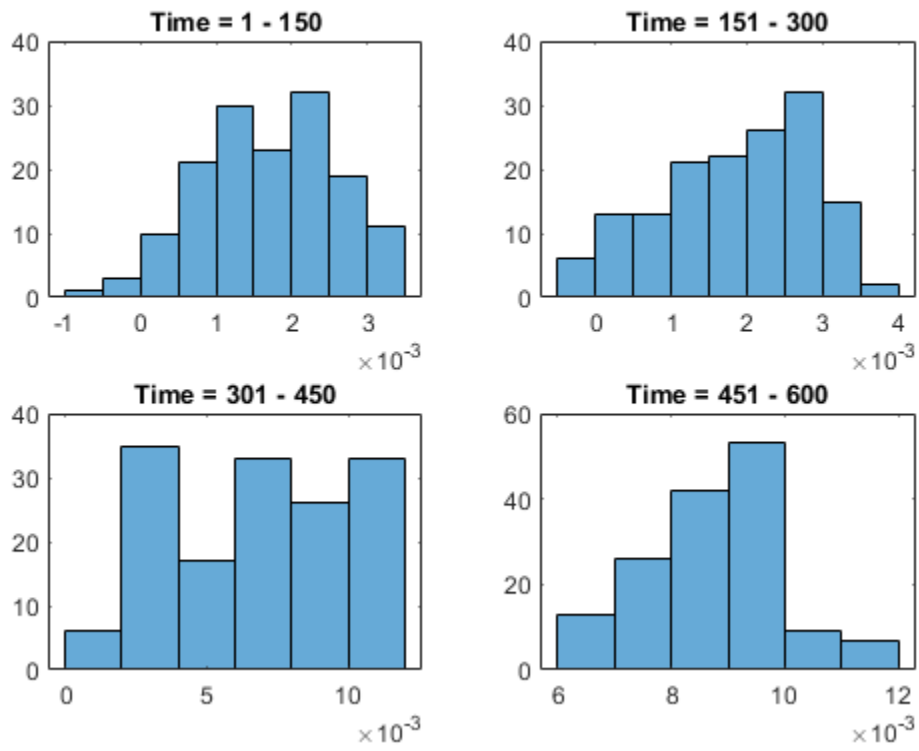


Question 2 - Part B

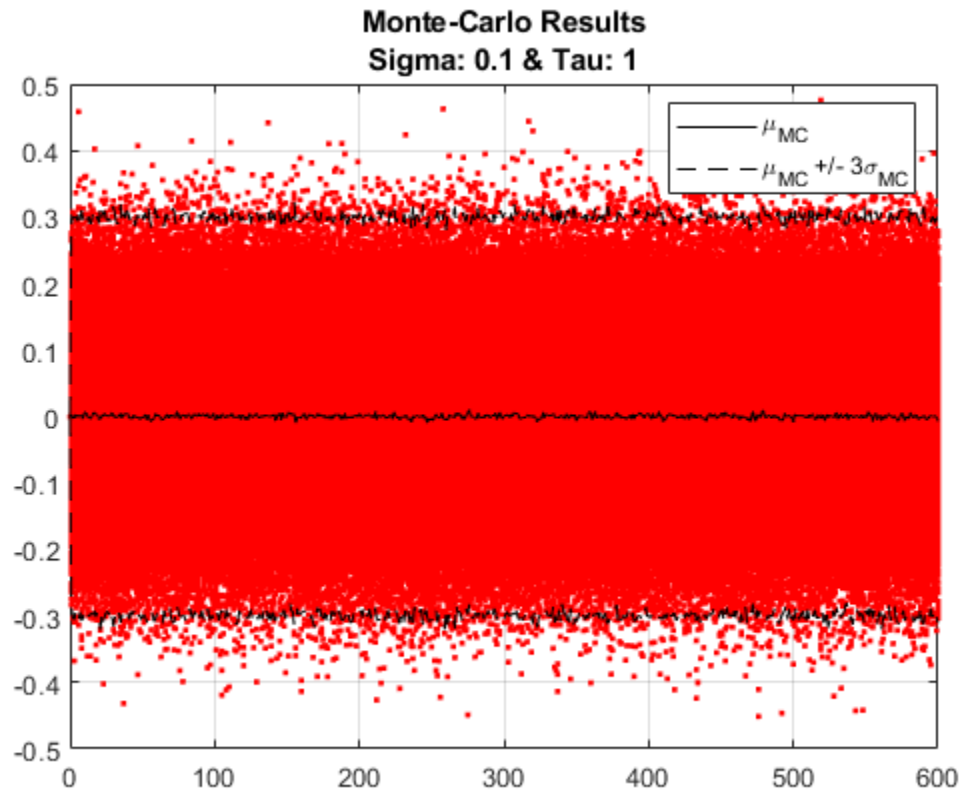
Histograms of Monte-Carlo Results for $\sigma = 0.1$

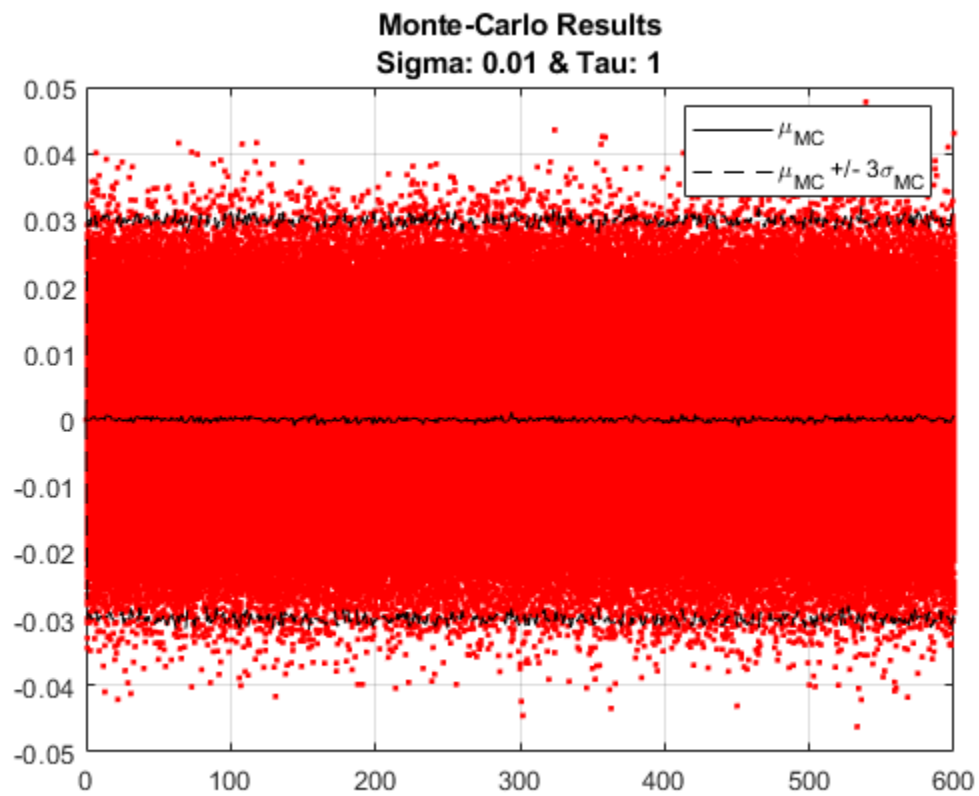
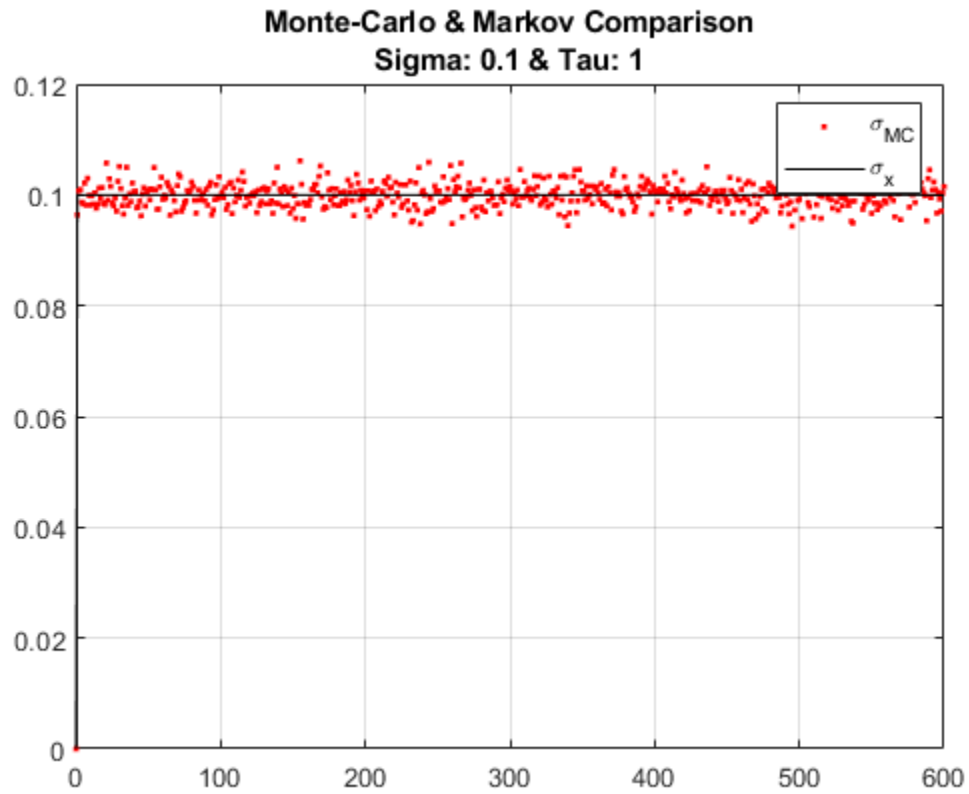


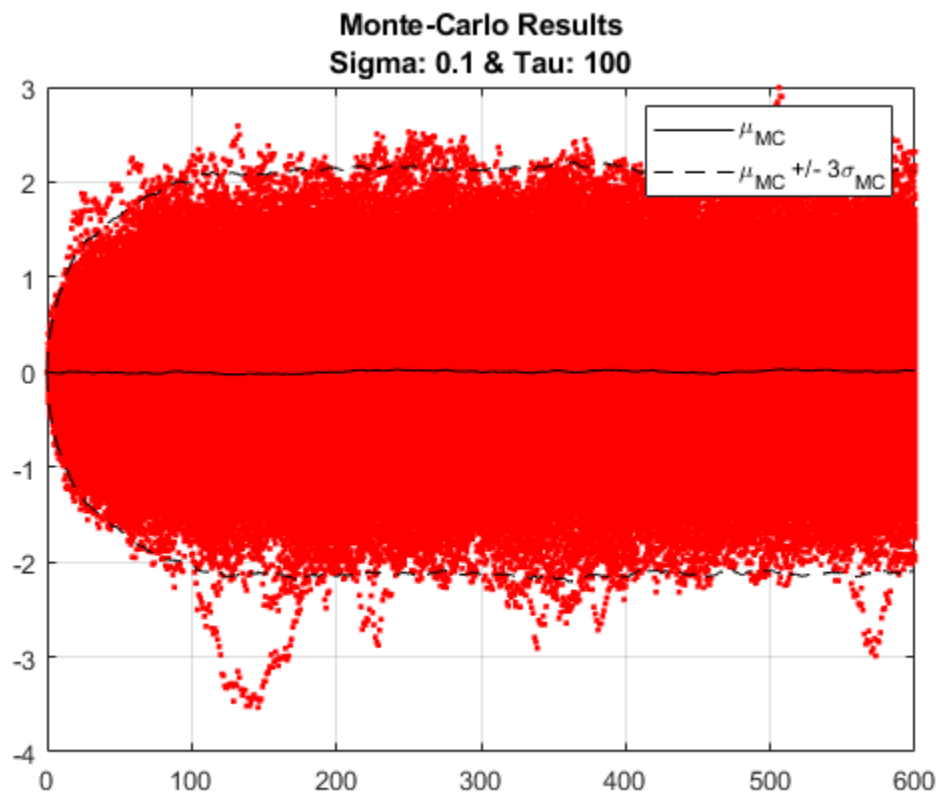
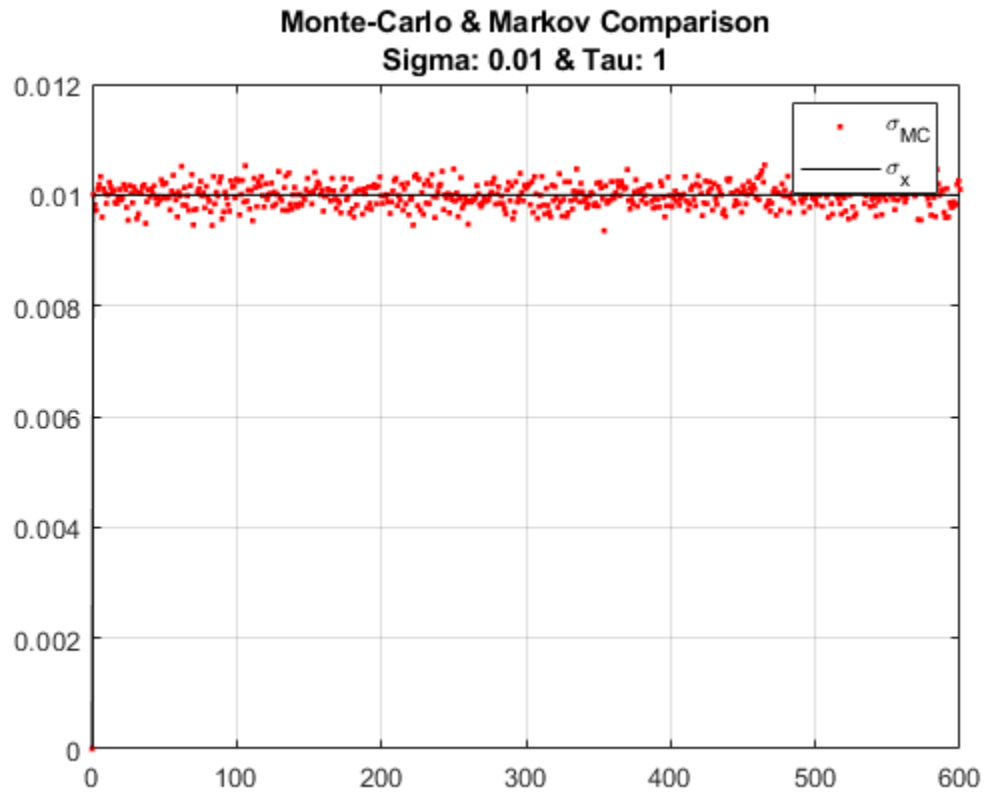
Histograms of Monte-Carlo Results for $\sigma = 0.01$

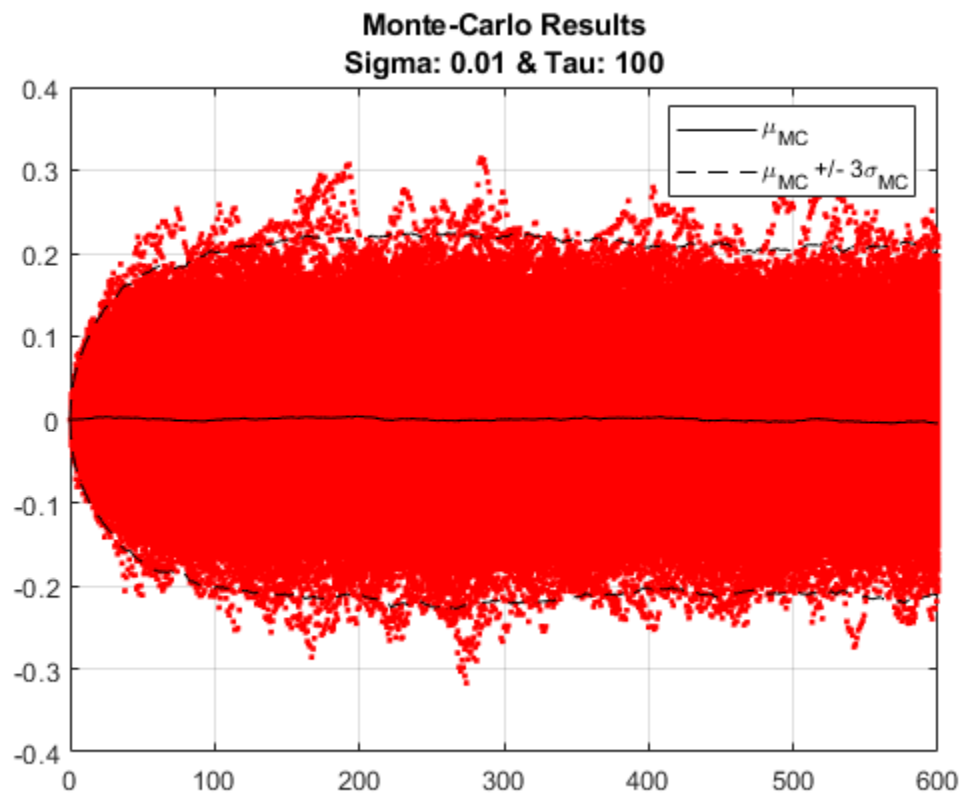
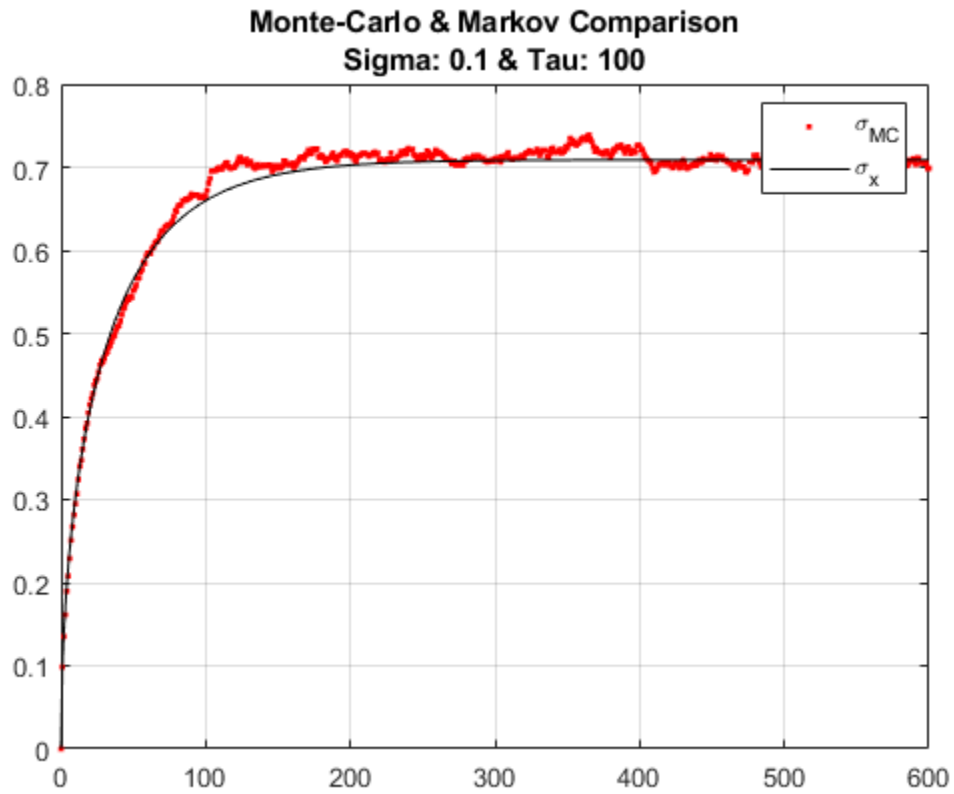


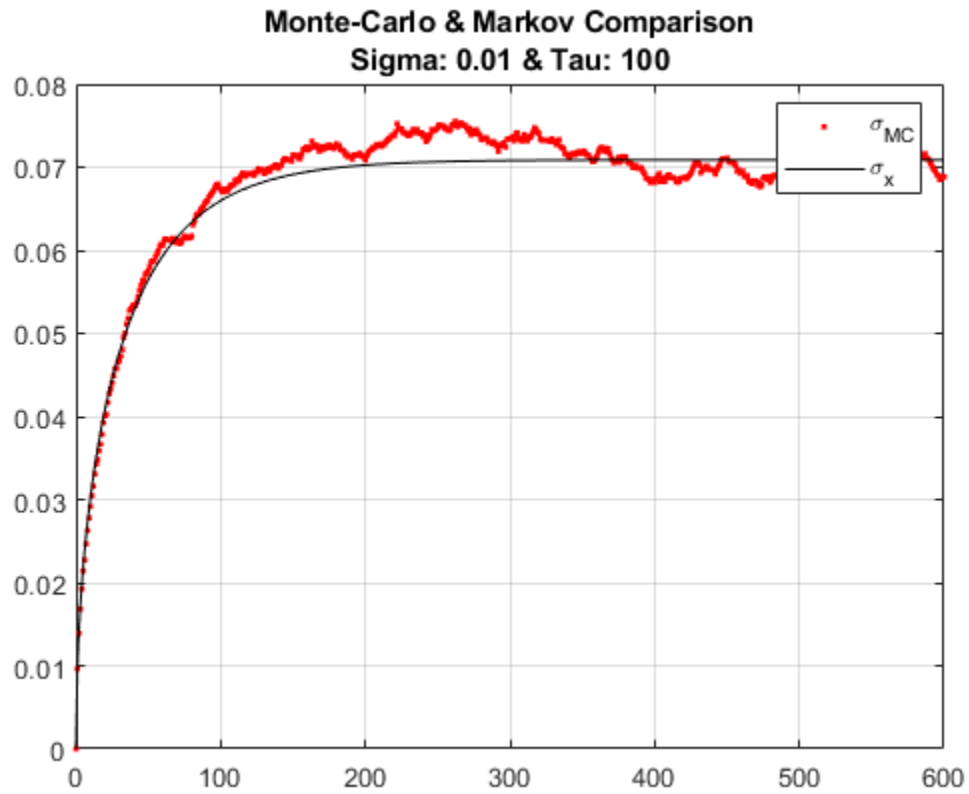
Question 2 - Part C











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