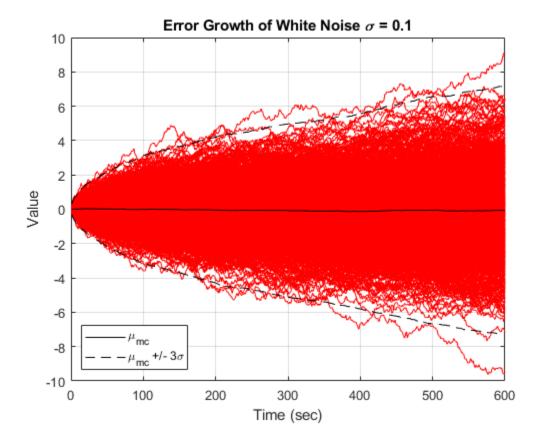
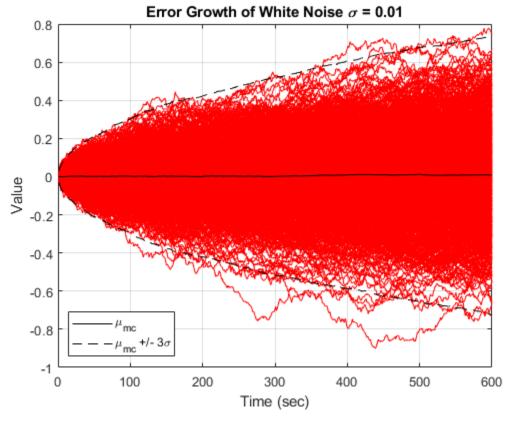
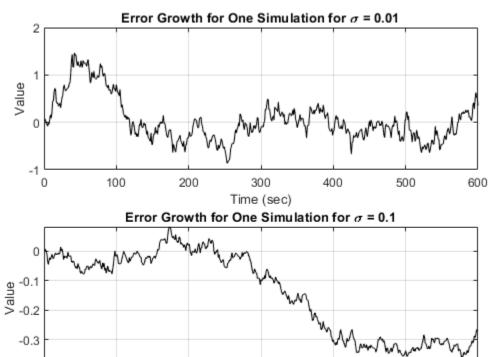
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Question 2 - Part A

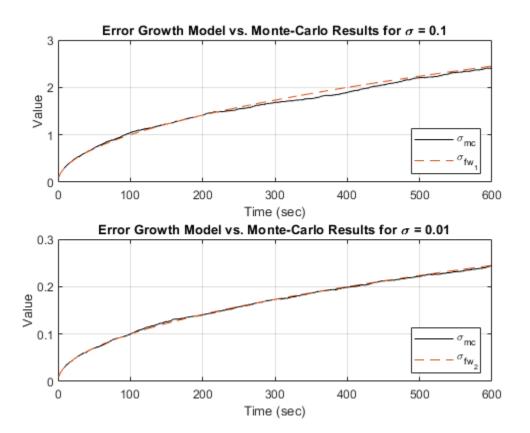






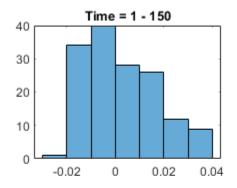
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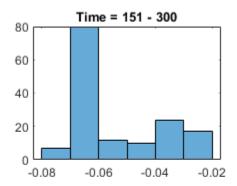
Time (sec)

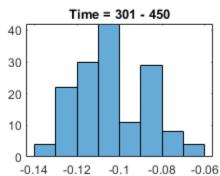


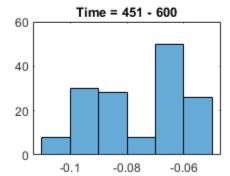
Question 2 - Part B

Histograms of Monte-Carlo Results for σ = 0.1

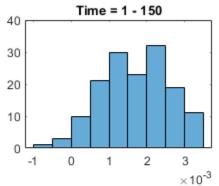


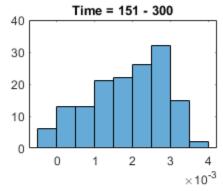


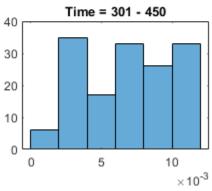


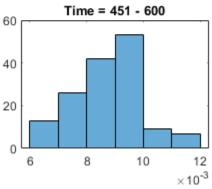


Histograms of Monte-Carlo Results for σ = 0.01

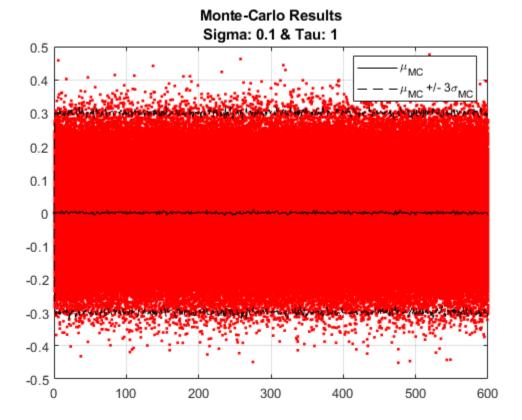




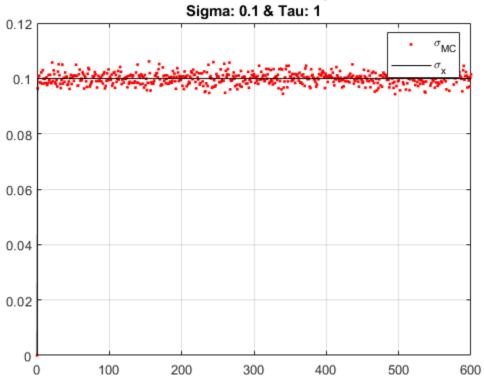




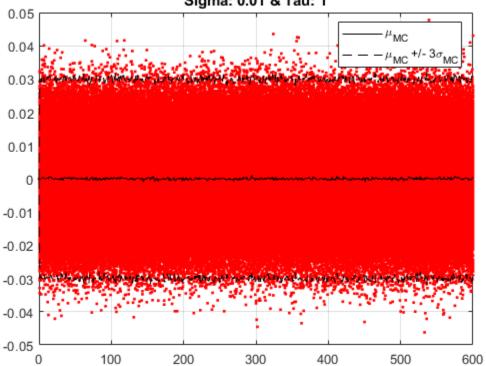
Question 2 - Part C

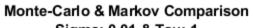


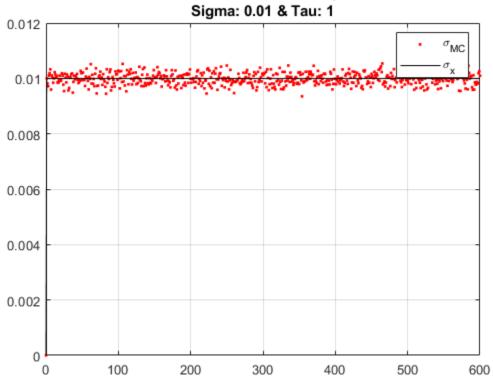
Monte-Carlo & Markov Comparison



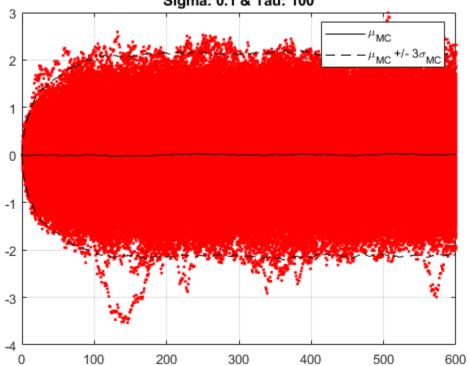
Monte-Carlo Results Sigma: 0.01 & Tau: 1



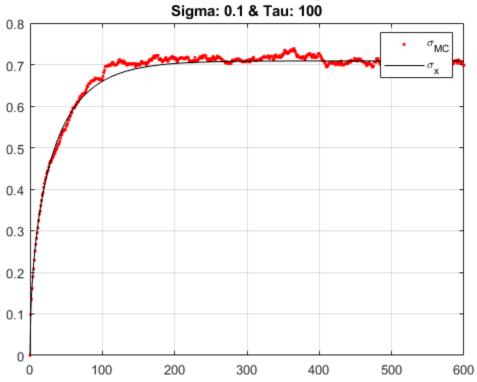




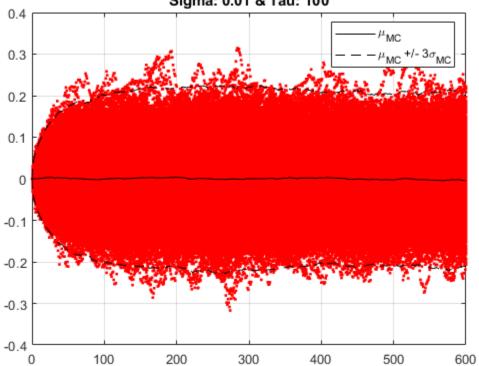
Monte-Carlo Results Sigma: 0.1 & Tau: 100

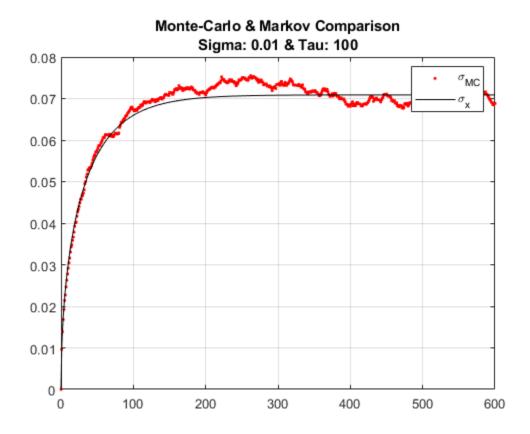






Monte-Carlo Results Sigma: 0.01 & Tau: 100





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