

Python 3.6.4 |Anaconda custom (64-bit)| (default, Jan 16 2018, 10:22:32) [MSC v.1900 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 6.2.1 -- An enhanced Interactive Python.

Restarting kernel...

In [1]: `runfile('E:/Daniel/Projects/PhD-RL-Toulouse/projects/Python/test/test_QB.py', wdir='E:/Daniel/Projects/PhD-RL-Toulouse/projects/Python/test')`

Directory:

E:\Daniel\Projects\PhD-RL-Toulouse\projects

has been prepended to the module search path.

Log file '..\..\RL-002-QueueBlocking/logs/test_fv_implementation_20210621_232641.log' has been open for output.

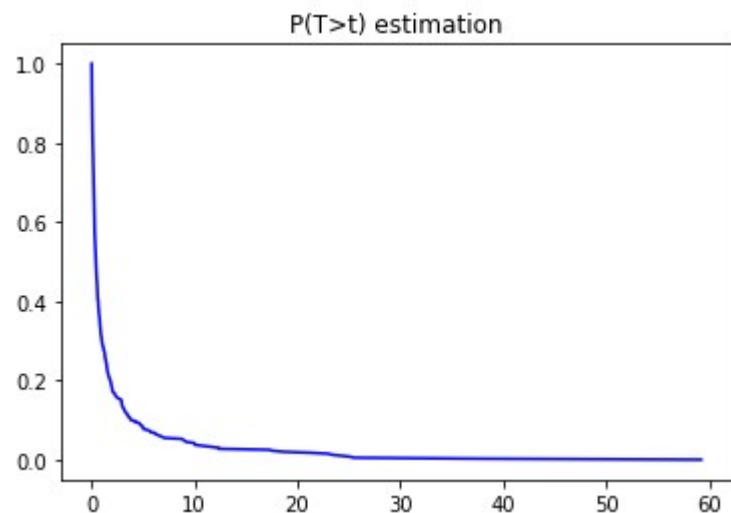
Started at: 2021-06-21 23:26:41

C:\ProgramData\Anaconda\Anaconda3\lib\site-packages\matplotlib\pyplot.py:528: RuntimeWarning: More than 20 figures have been opened. Figures created through the pyplot interface (`matplotlib.pyplot.figure`) are retained until explicitly closed and may consume too much memory. (To control this warning, see the rcParam `figure.max_open_warning`).

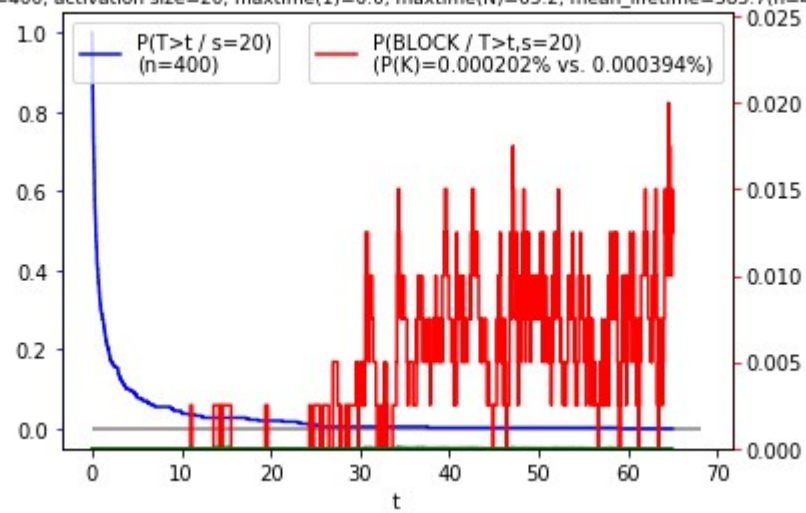
max_open_warning, RuntimeWarning)

Ended at: 2021-06-22 22:57:19

Execution time: 1410.6 min, 23.5 hours



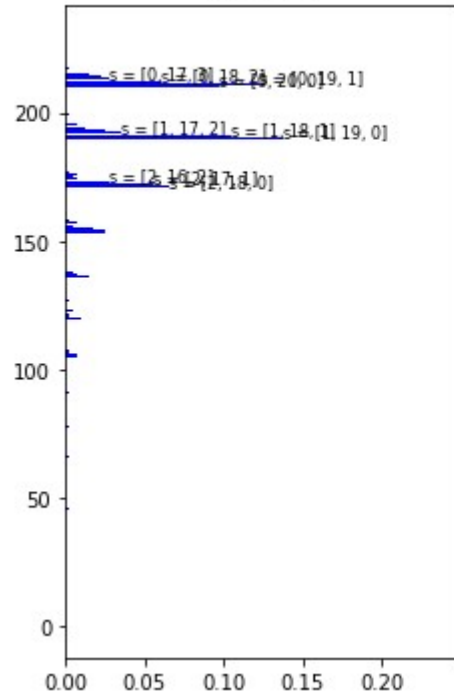
K=40, rhos=[0.4, 0.75, 0.35], N=400, activation size=20, maxtime(1)=0.0, maxtime(N)=65.2, mean_lifetime=385.7(n=400), finalize=ABS, seed=1717



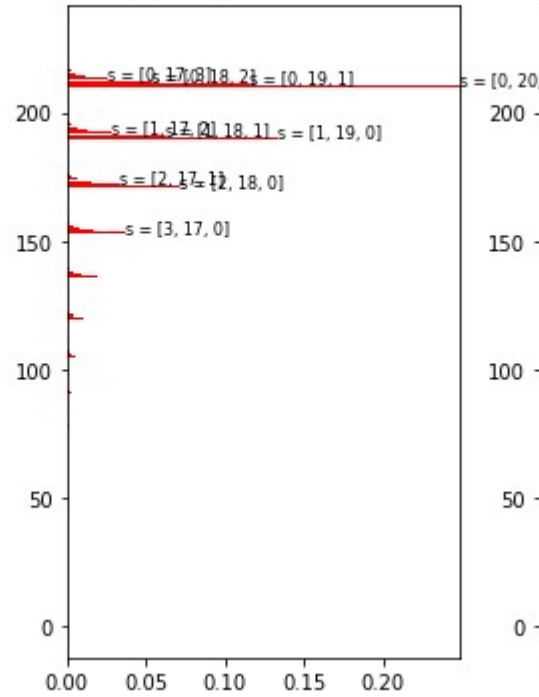
<matplotlib.figure.Figure at 0x2773020b080>

Distribution of ACTIVATION states (after burn-in)

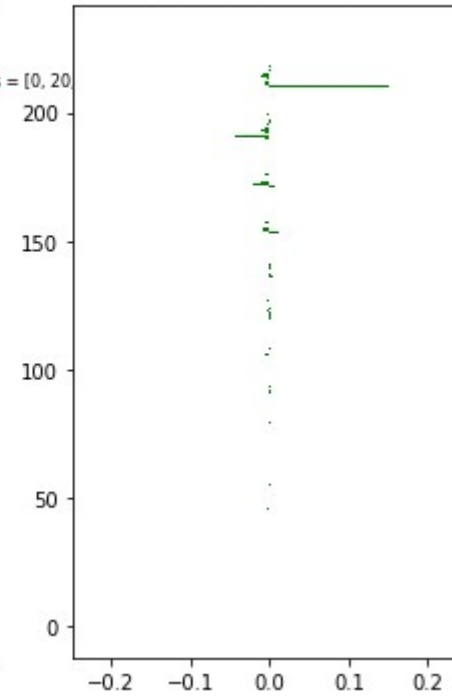
Observed freq. during simulation
(n=400)

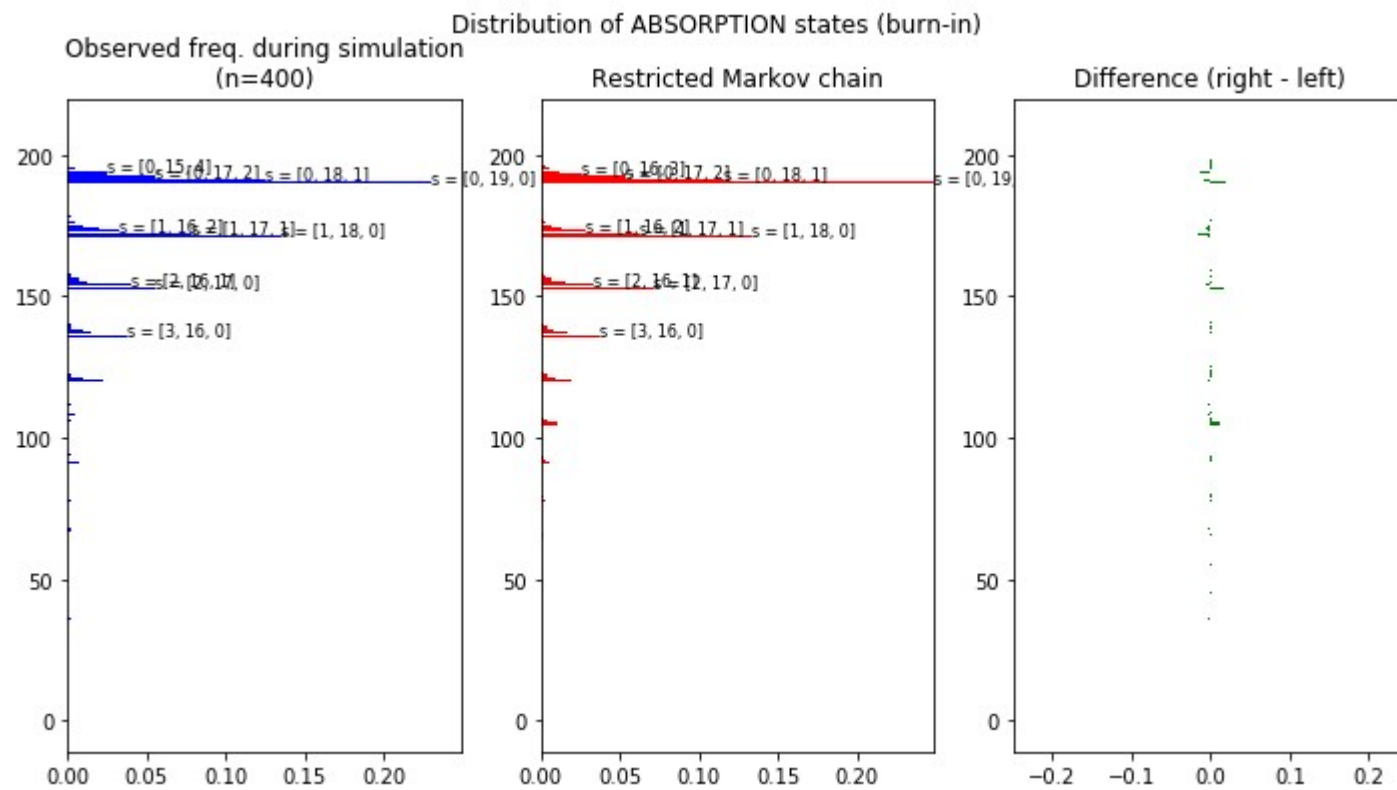


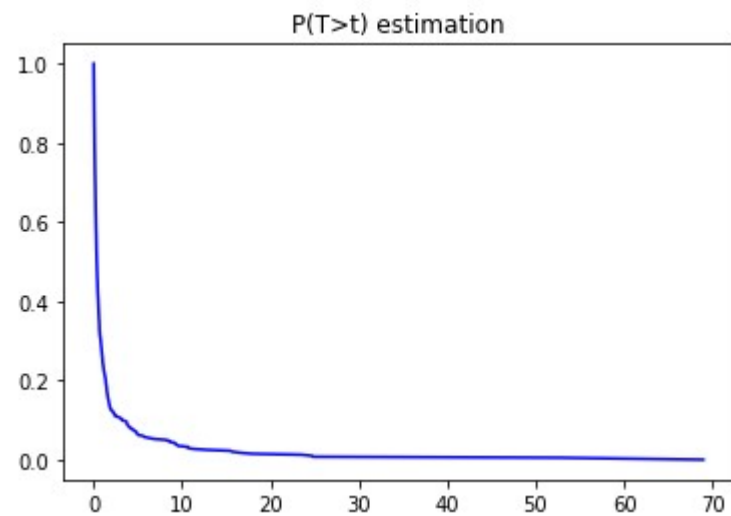
Restricted Markov chain



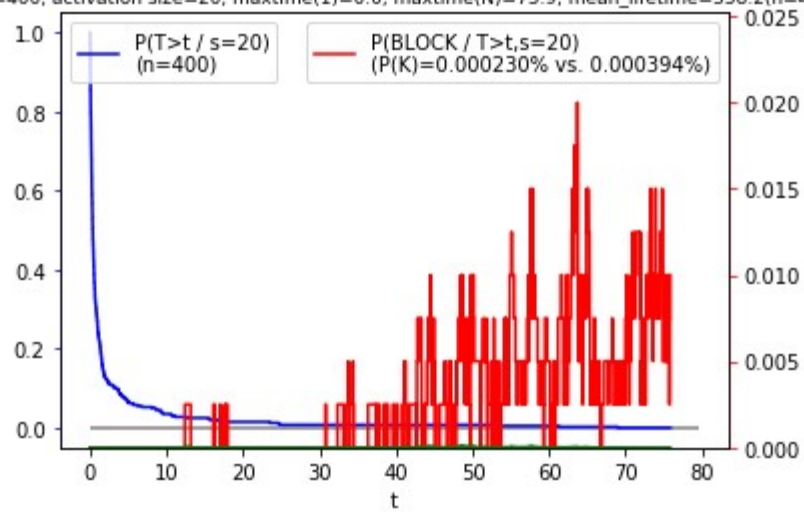
Difference (right - left)







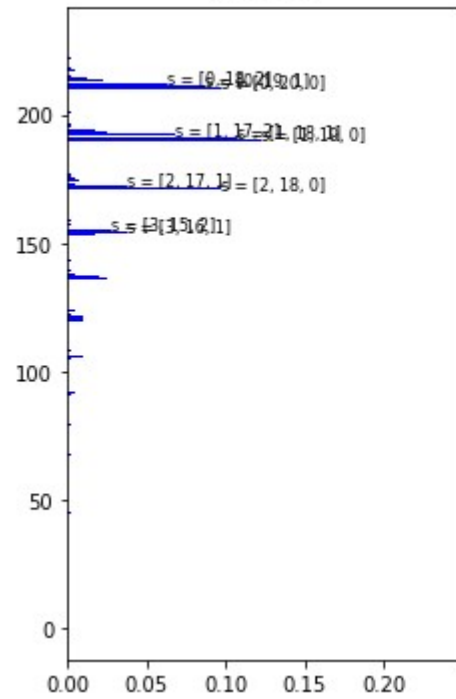
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=400$, activation size=20, maxtime(1)=0.0, maxtime(N)=75.9, mean_lifetime=358.2($n=400$), finalize=ABS, seed=1727



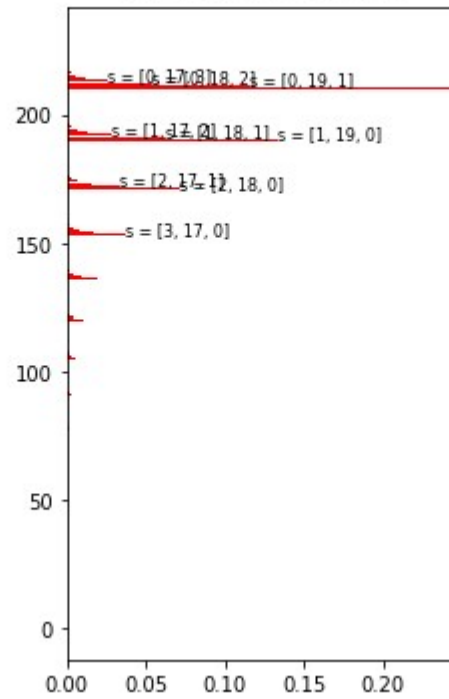
<matplotlib.figure.Figure at 0x277460e1710>

Distribution of ACTIVATION states (after burn-in)

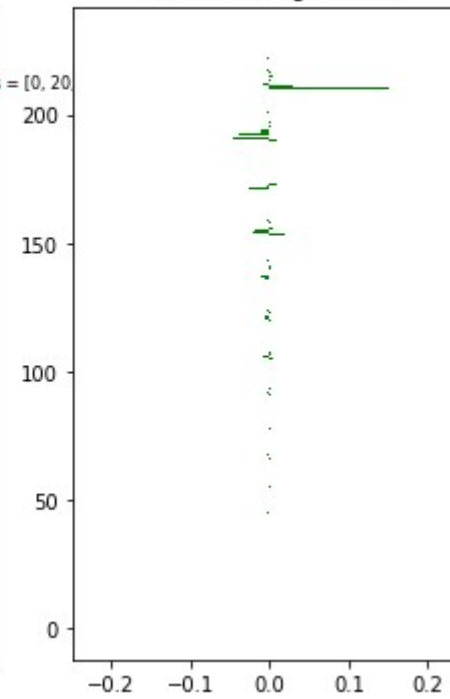
Observed freq. during simulation
(n=400)



Restricted Markov chain

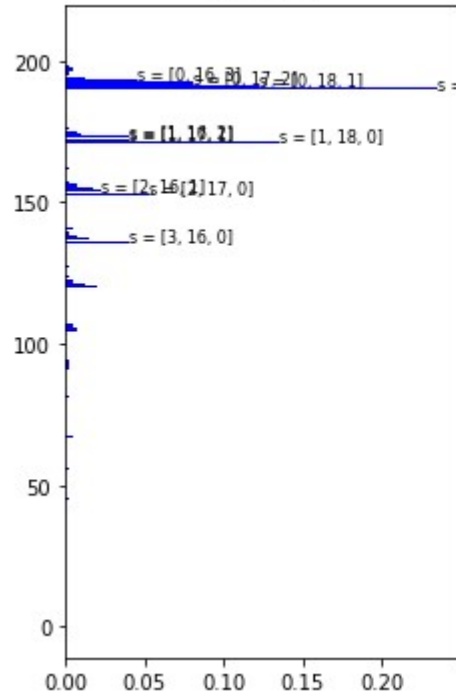


Difference (right - left)

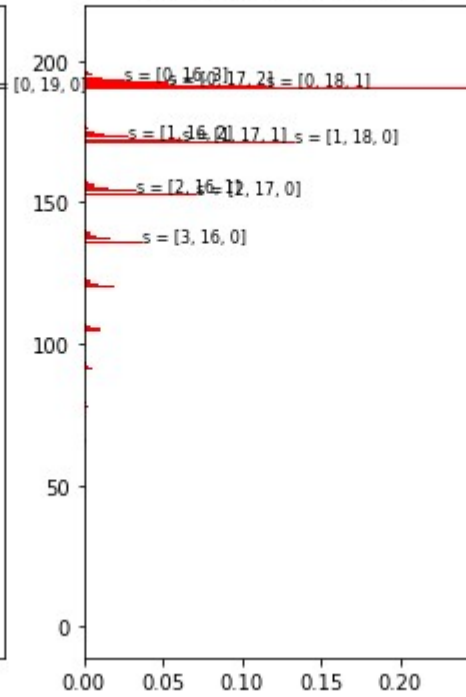


Distribution of ABSORPTION states (burn-in)

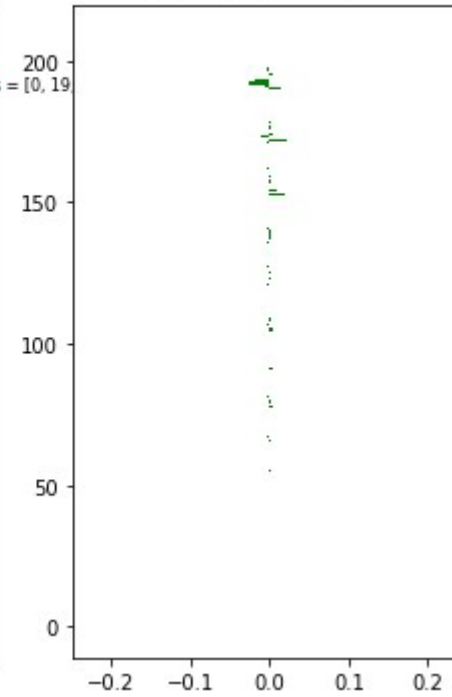
Observed freq. during simulation
(n=400)

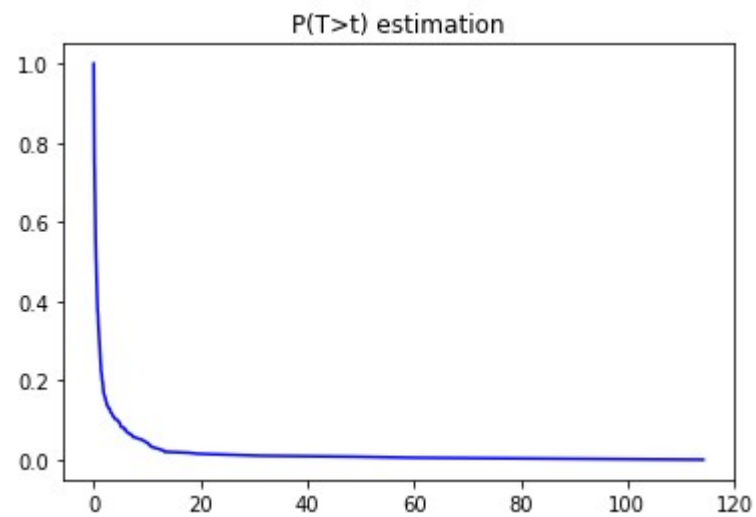


Restricted Markov chain

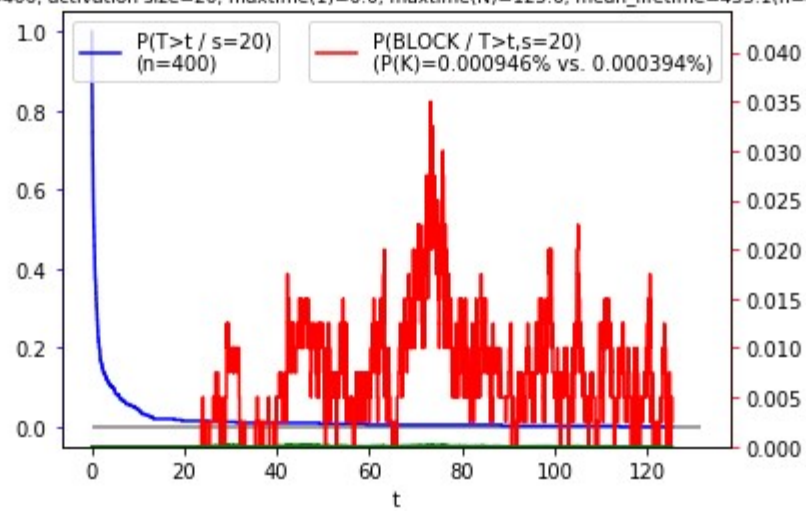


Difference (right - left)





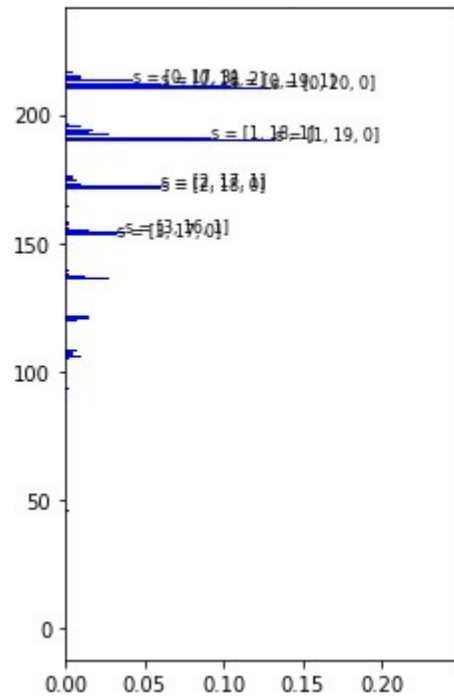
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=400$, activation size=20, maxtime(1)=0.0, maxtime(N)=125.6, mean_lifetime=433.1($n=400$), finalize=ABS, seed=1737



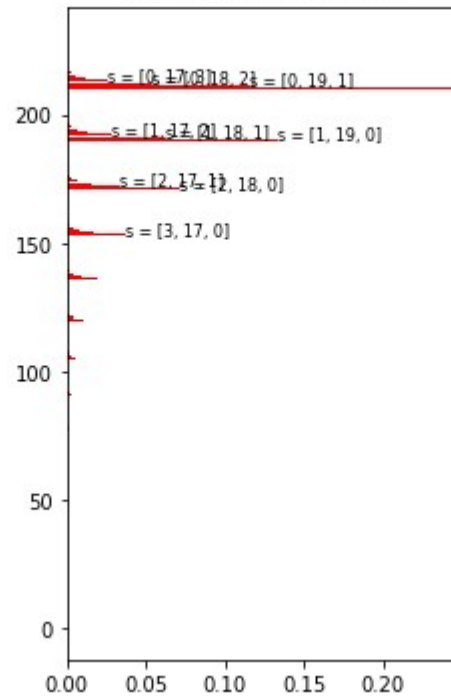
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Distribution of ACTIVATION states (after burn-in)

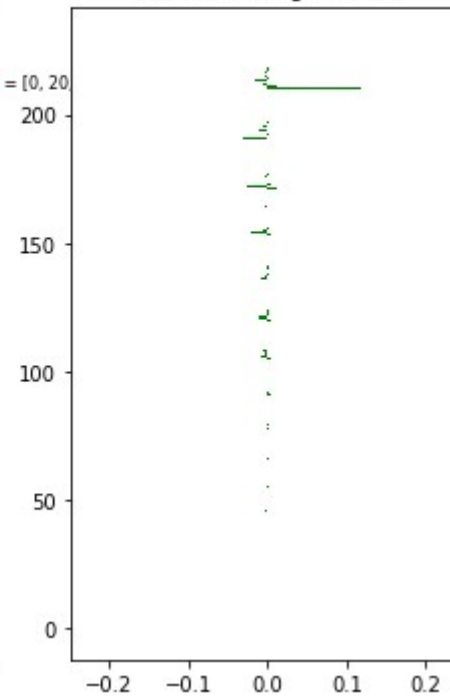
Observed freq. during simulation
(n=400)

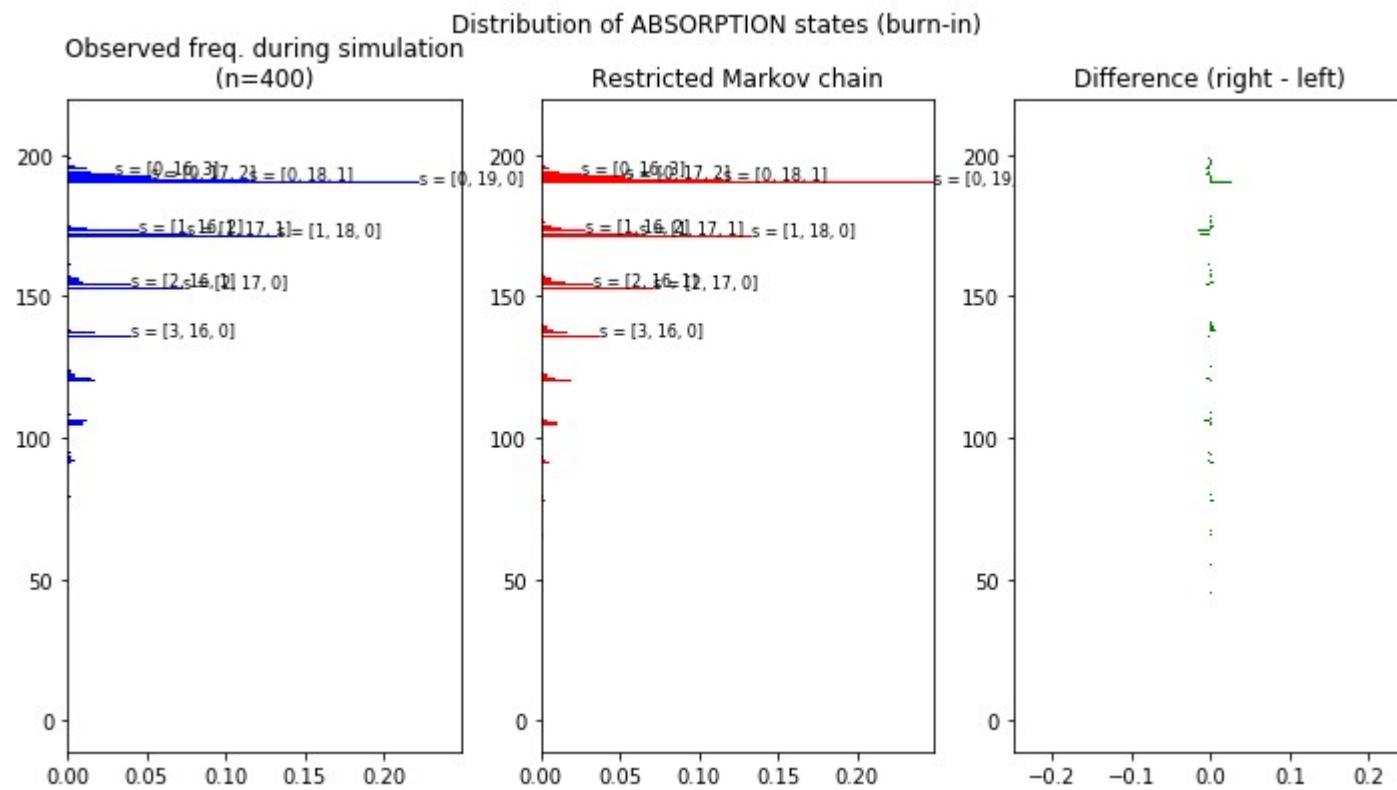


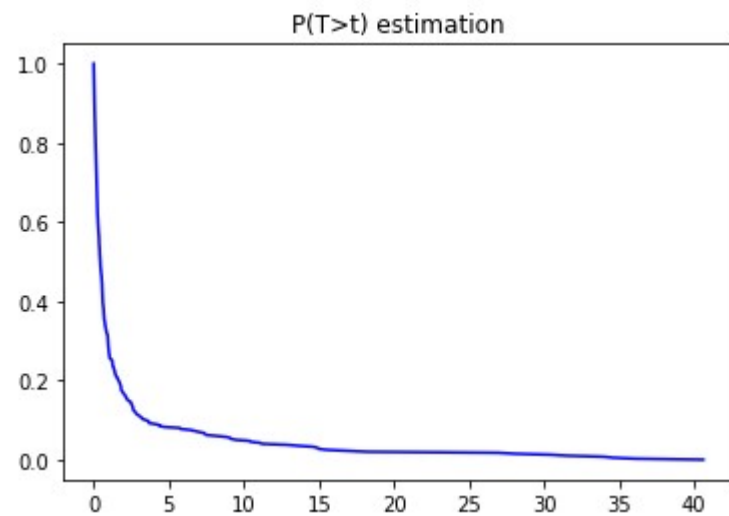
Restricted Markov chain



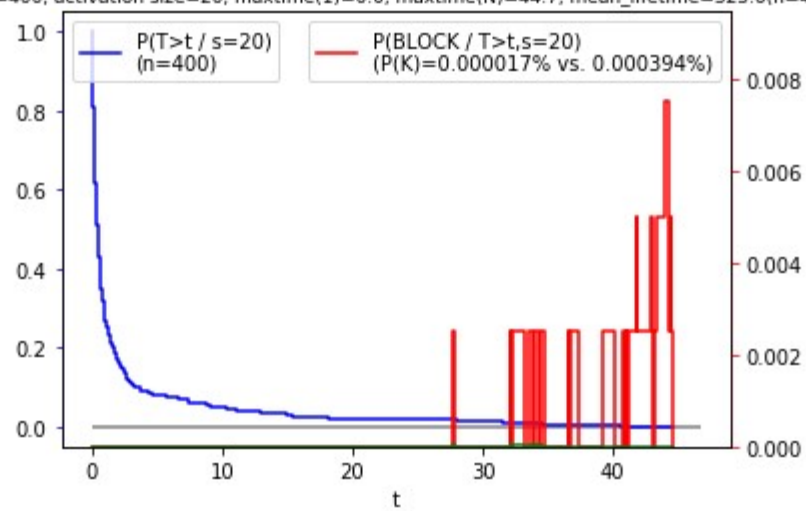
Difference (right - left)







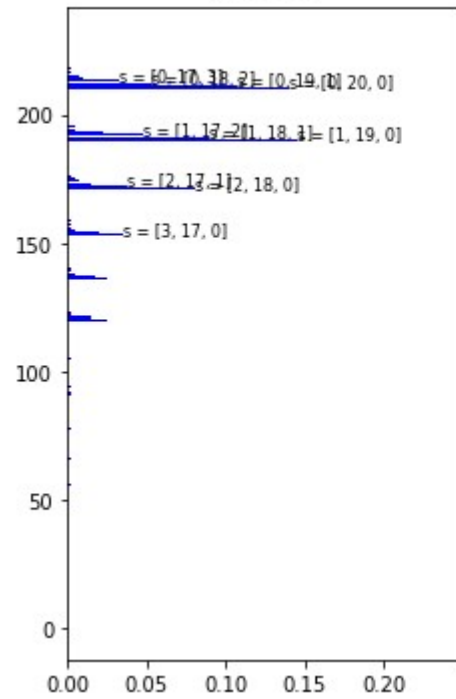
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=400$, activation size=20, maxtime(1)=0.0, maxtime(N)=44.7, mean_lifetime=323.6($n=400$), finalize=ABS, seed=1747



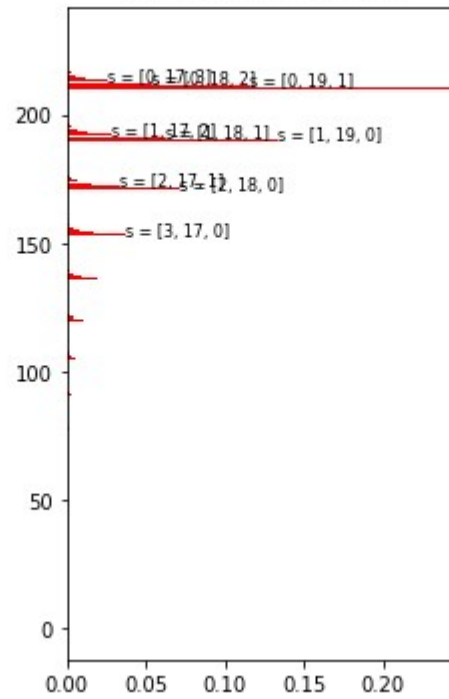
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Distribution of ACTIVATION states (after burn-in)

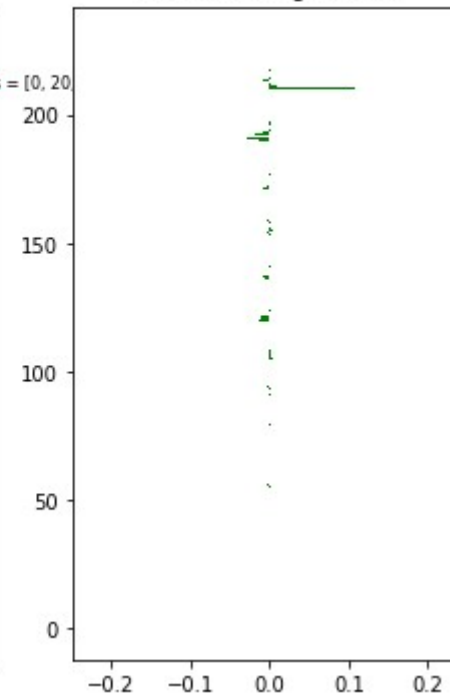
Observed freq. during simulation
(n=400)

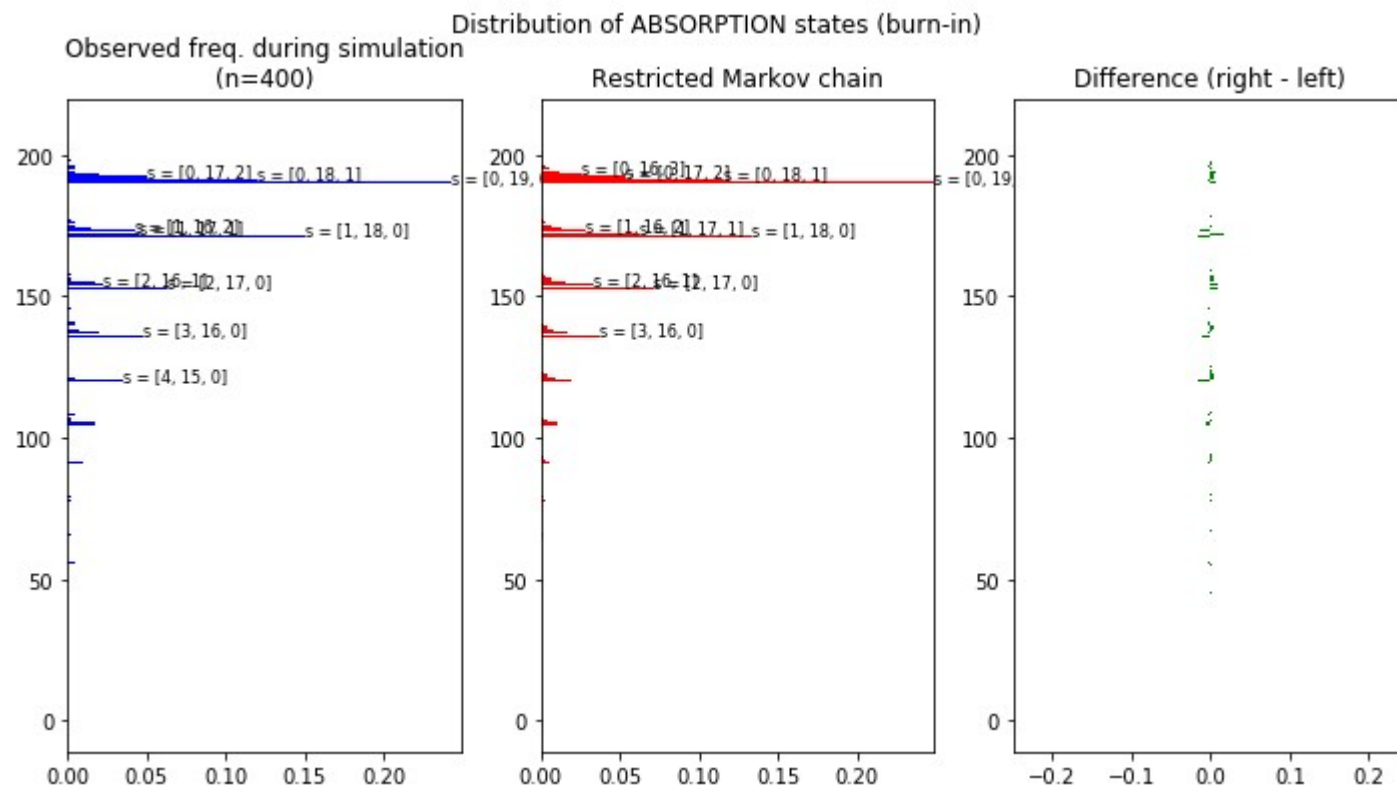


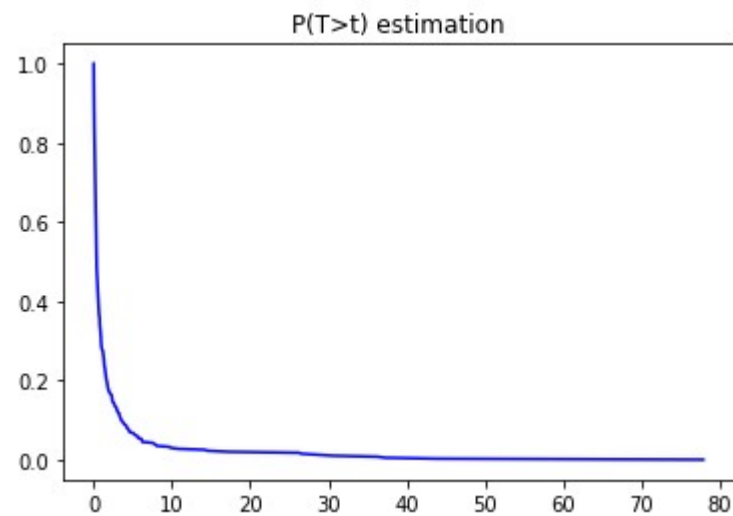
Restricted Markov chain



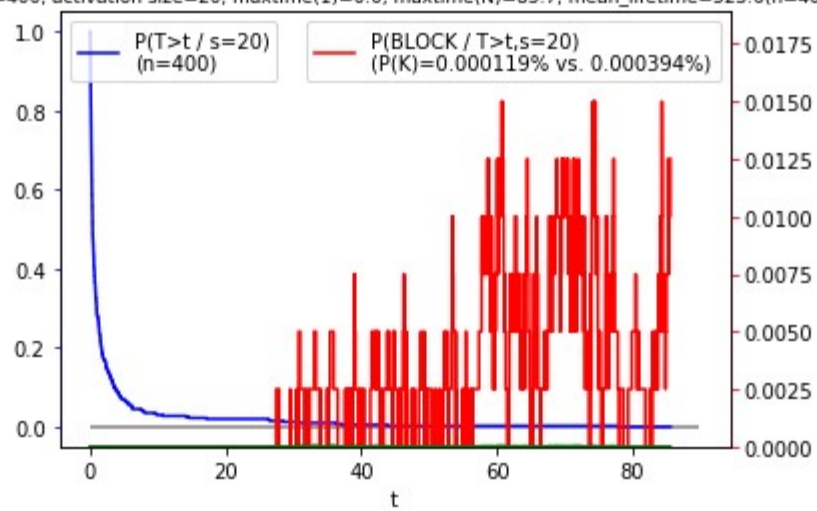
Difference (right - left)







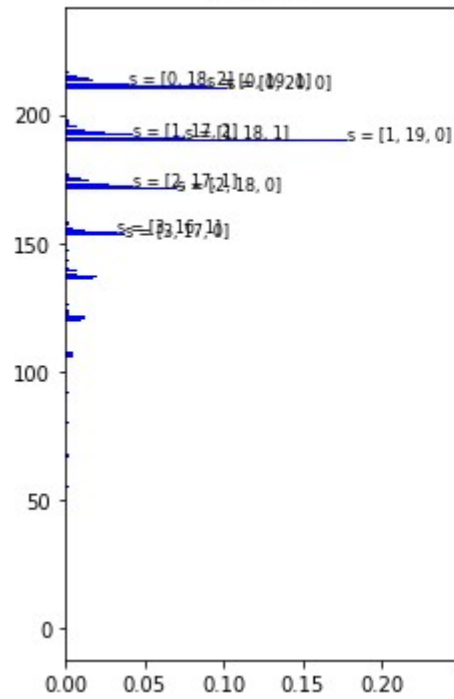
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=400$, activation size=20, maxtime(1)=0.0, maxtime(N)=85.7, mean_lifetime=525.6($n=400$), finalize=ABS, seed=1757



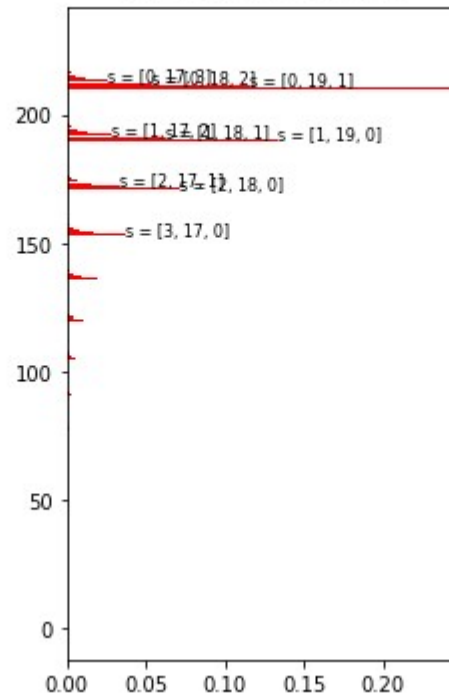
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Distribution of ACTIVATION states (after burn-in)

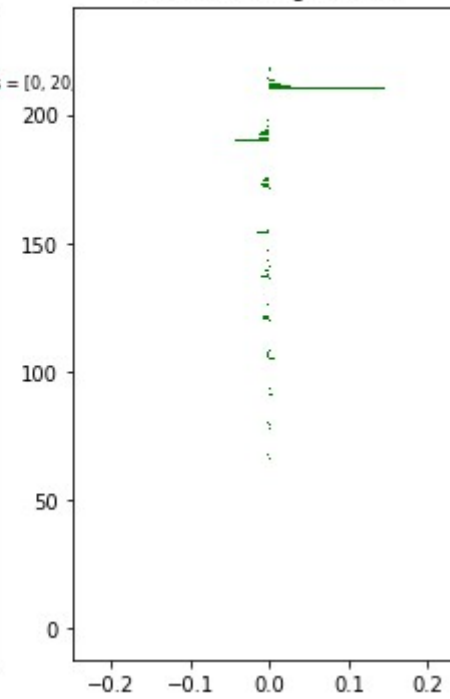
Observed freq. during simulation
(n=400)

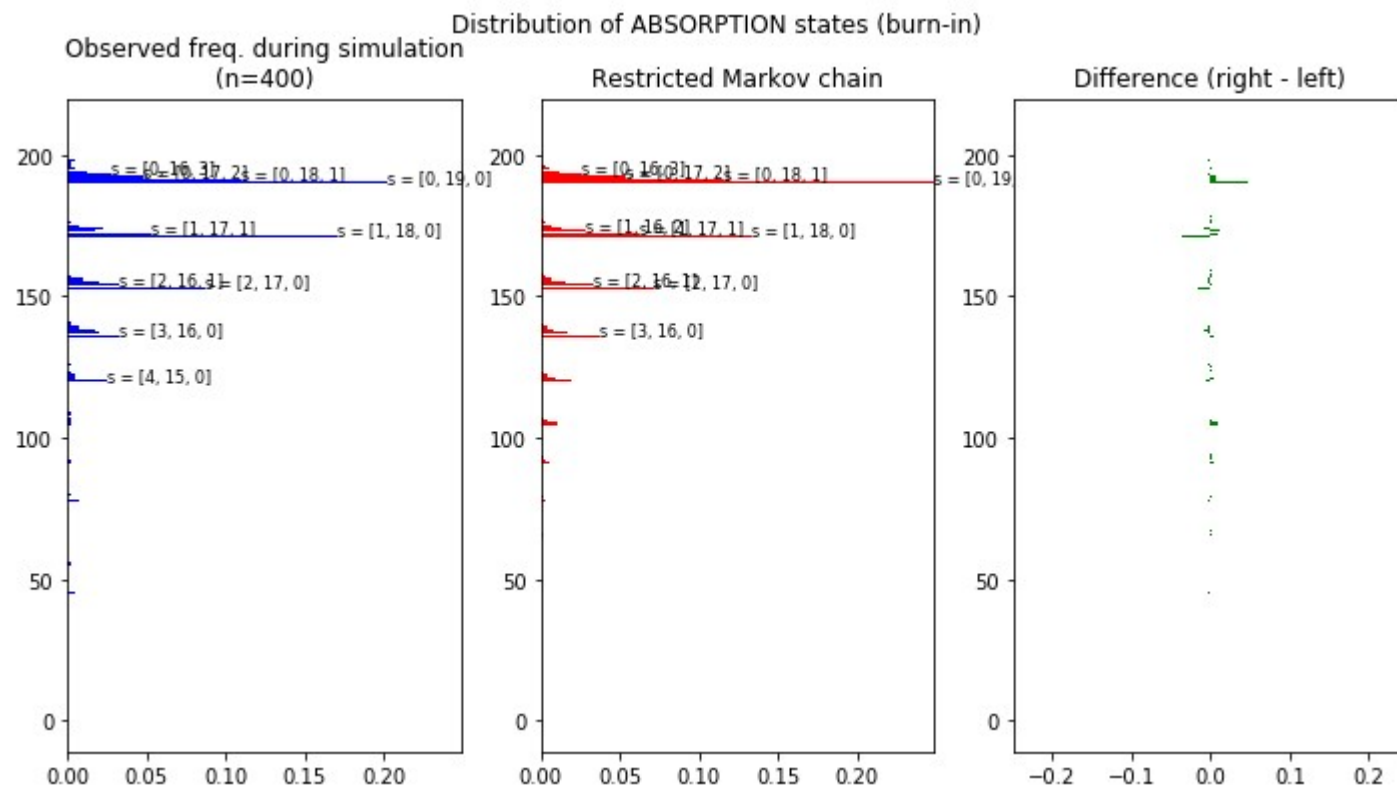


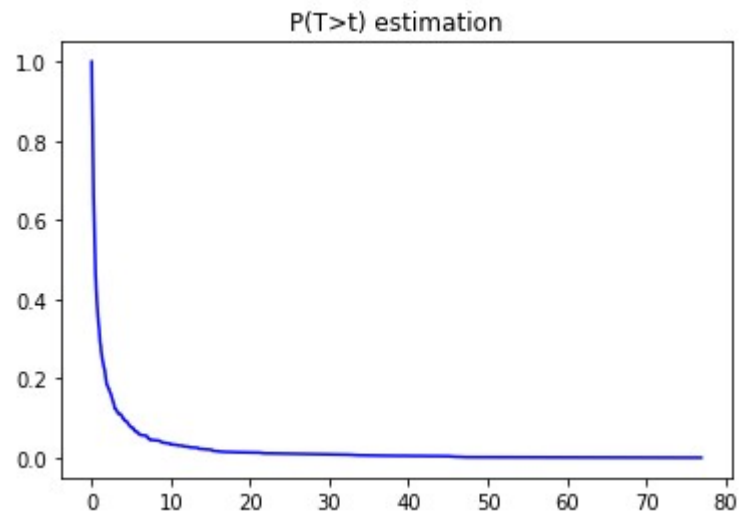
Restricted Markov chain



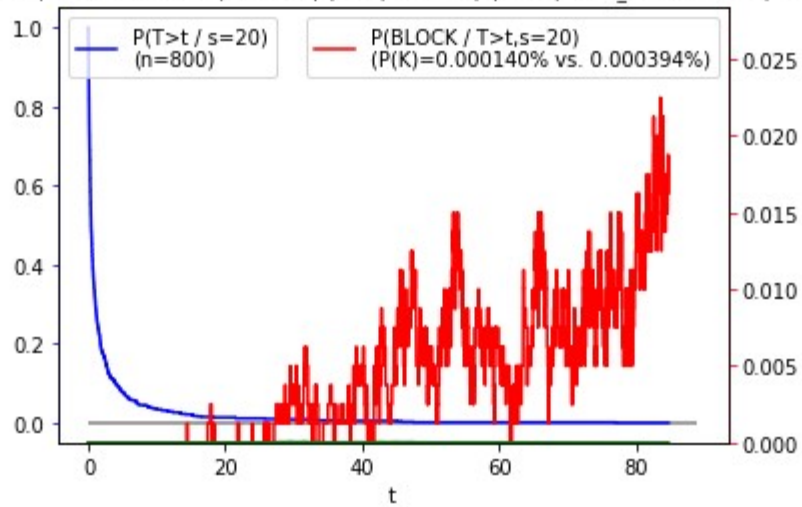
Difference (right - left)







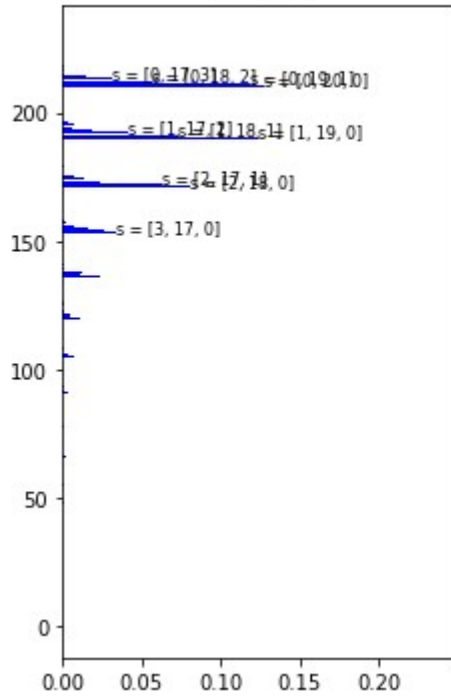
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=800$, activation size=20, maxtime(1)=0.0, maxtime(N)=84.7, mean_lifetime=468.3($n=800$), finalize=ABS, seed=1717



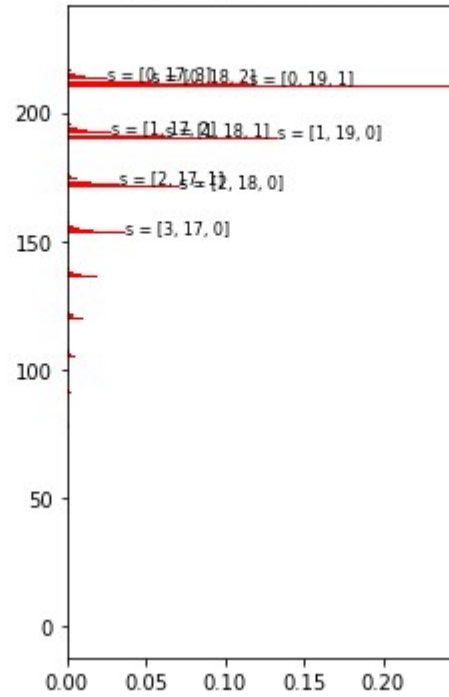
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Distribution of ACTIVATION states (after burn-in)

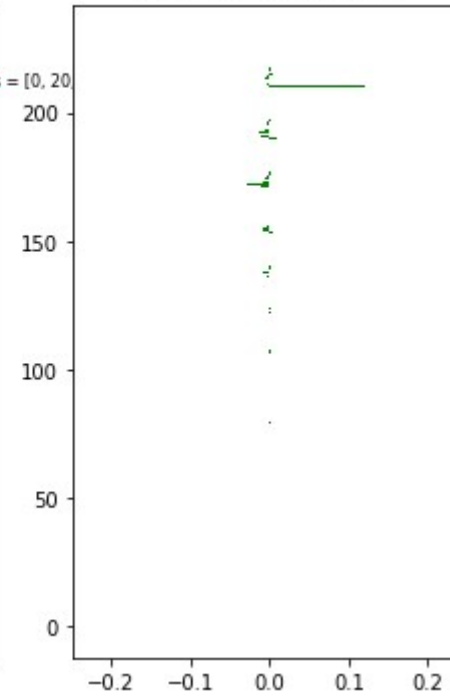
Observed freq. during simulation
(n=800)

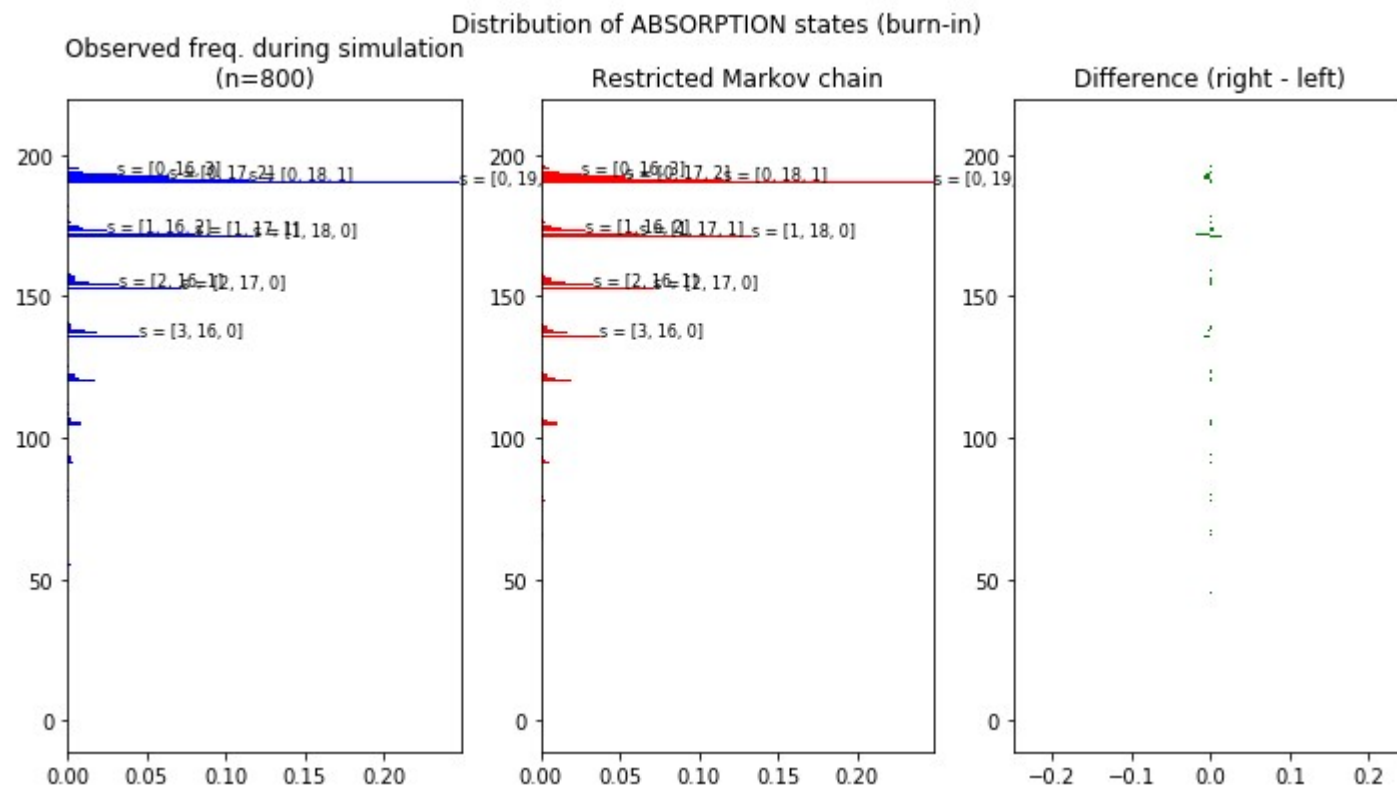


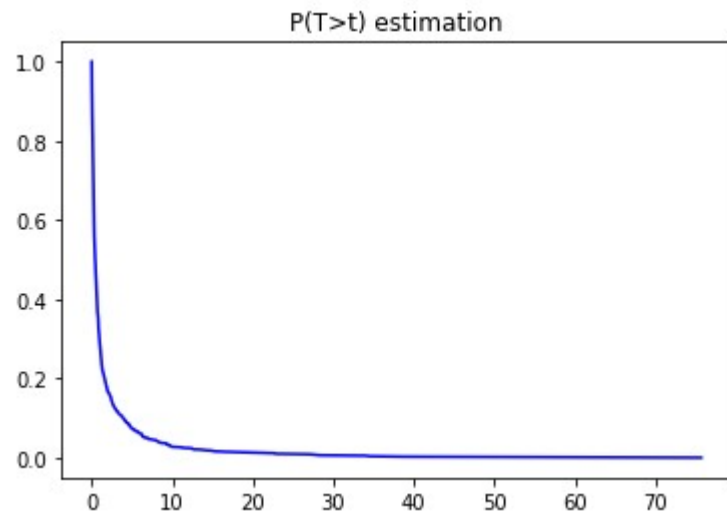
Restricted Markov chain



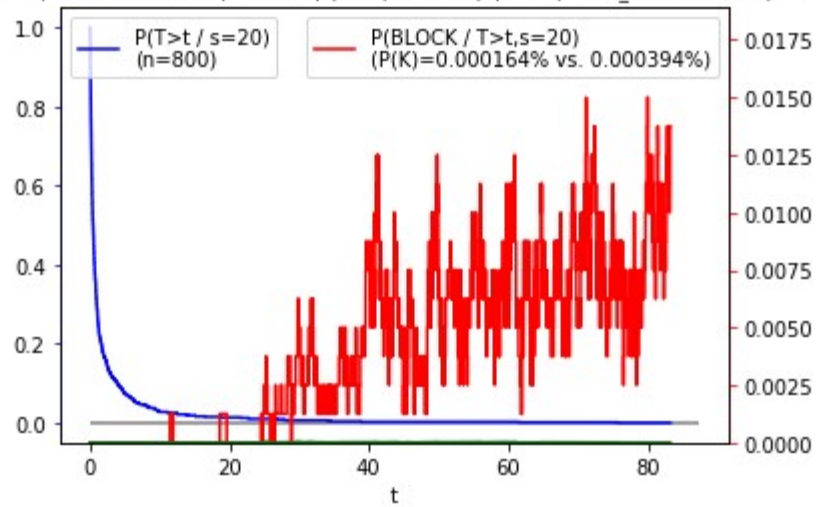
Difference (right - left)







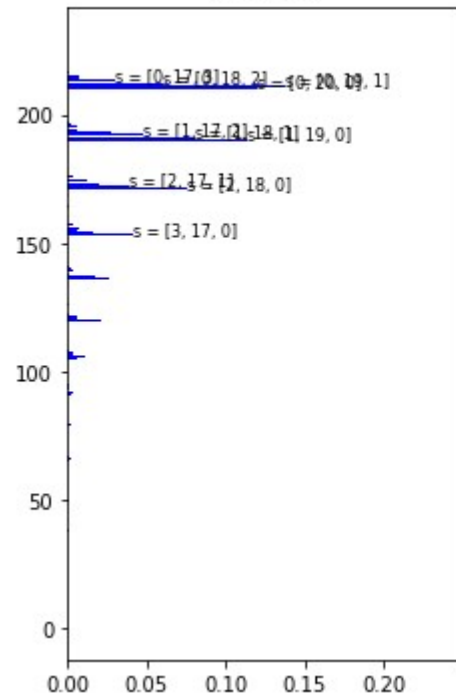
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=800$, activation size=20, maxtime(1)=0.0, maxtime(N)=83.2, mean_lifetime=428.8($n=800$), finalize=ABS, seed=1727



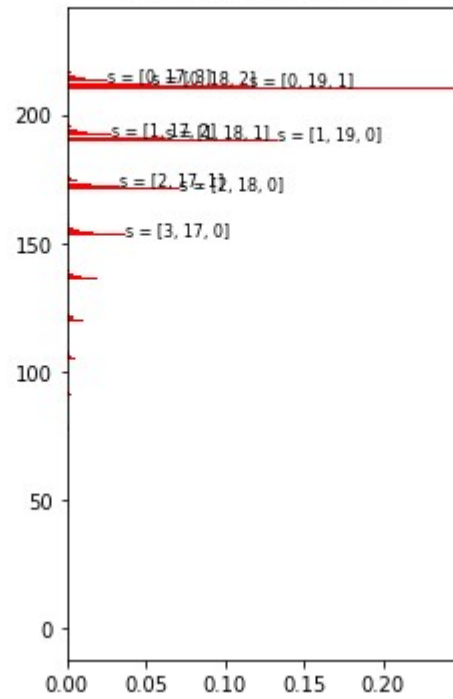
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Distribution of ACTIVATION states (after burn-in)

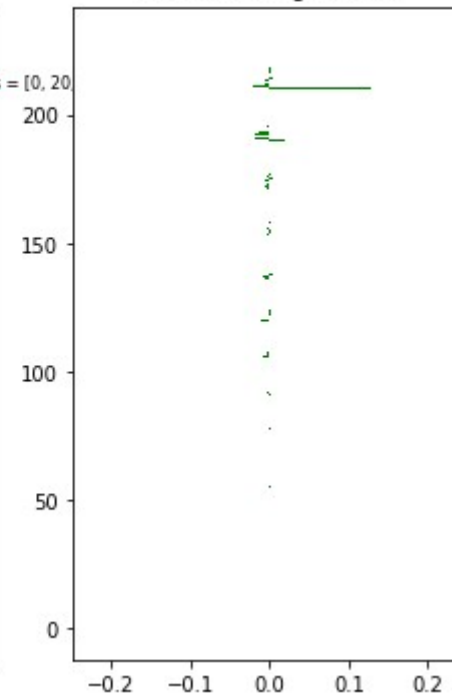
Observed freq. during simulation
(n=800)

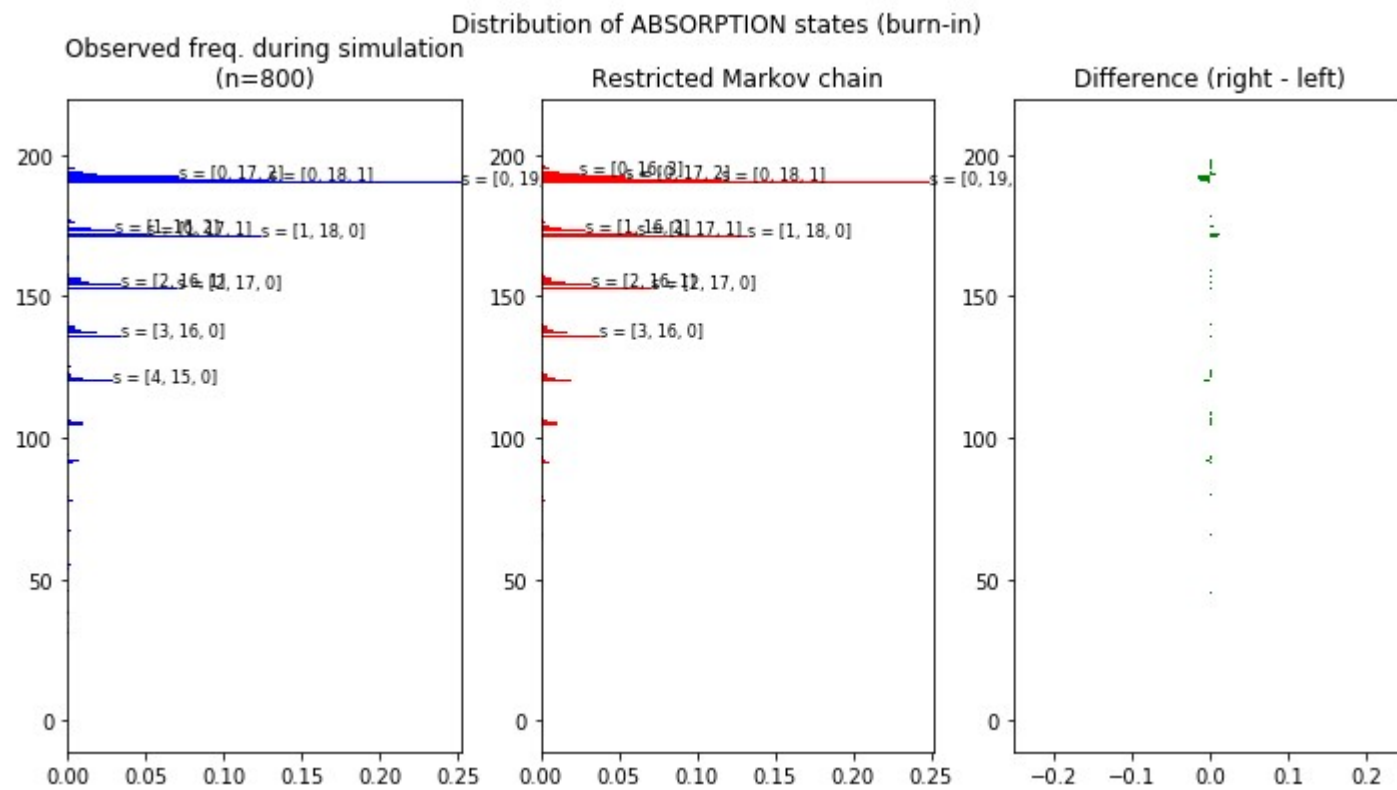


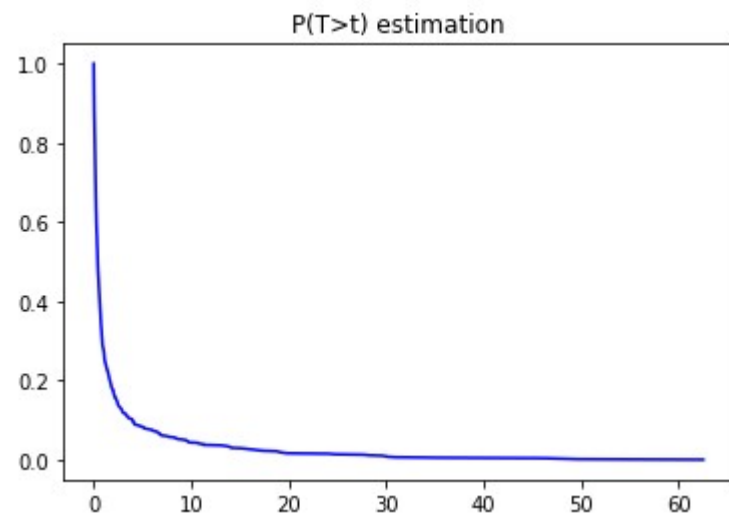
Restricted Markov chain



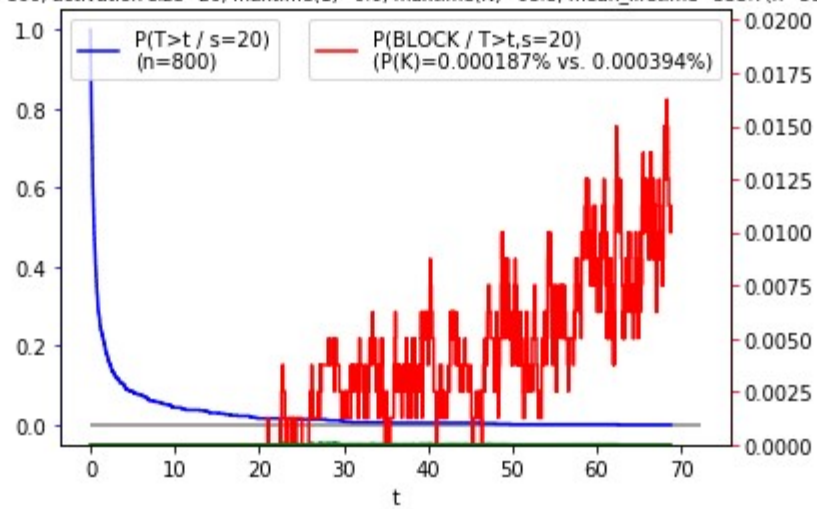
Difference (right - left)







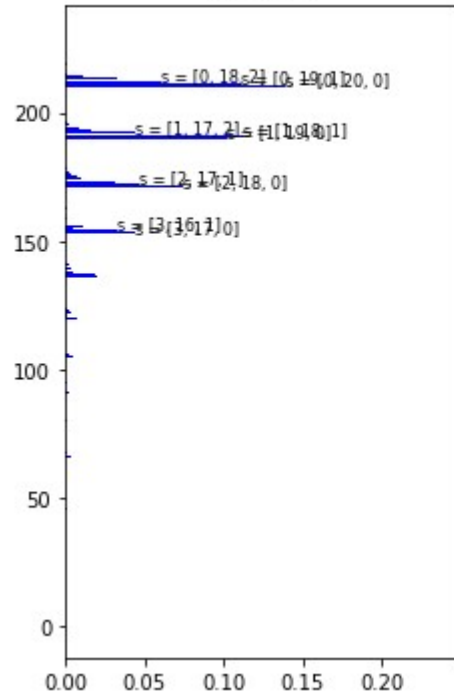
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=800$, activation size=20, maxtime(1)=0.0, maxtime(N)=68.8, mean_lifetime=333.7($n=800$), finalize=ABS, seed=1737



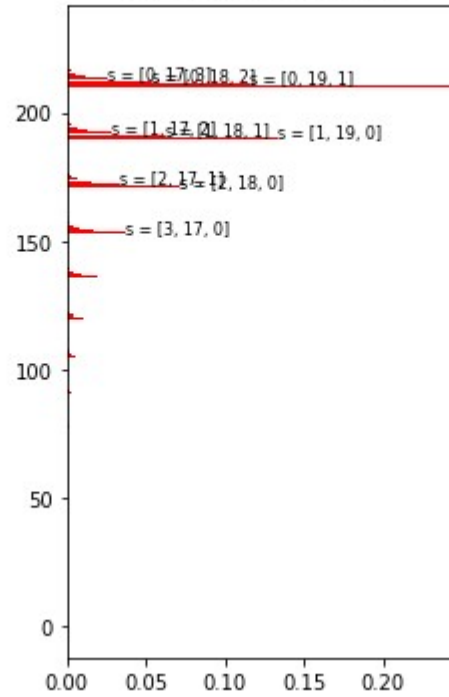
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Distribution of ACTIVATION states (after burn-in)

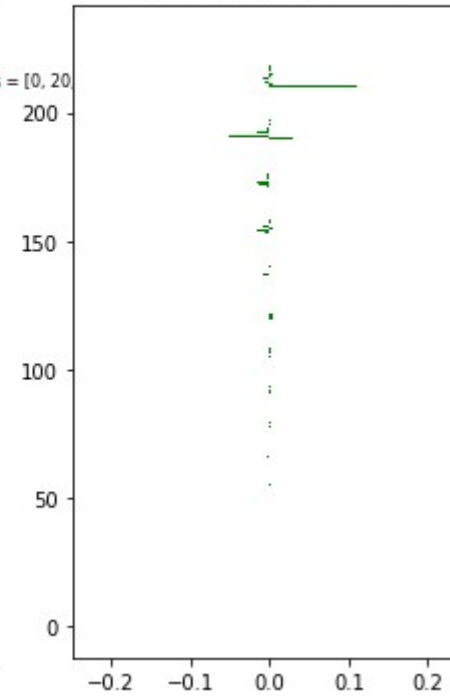
Observed freq. during simulation
(n=800)

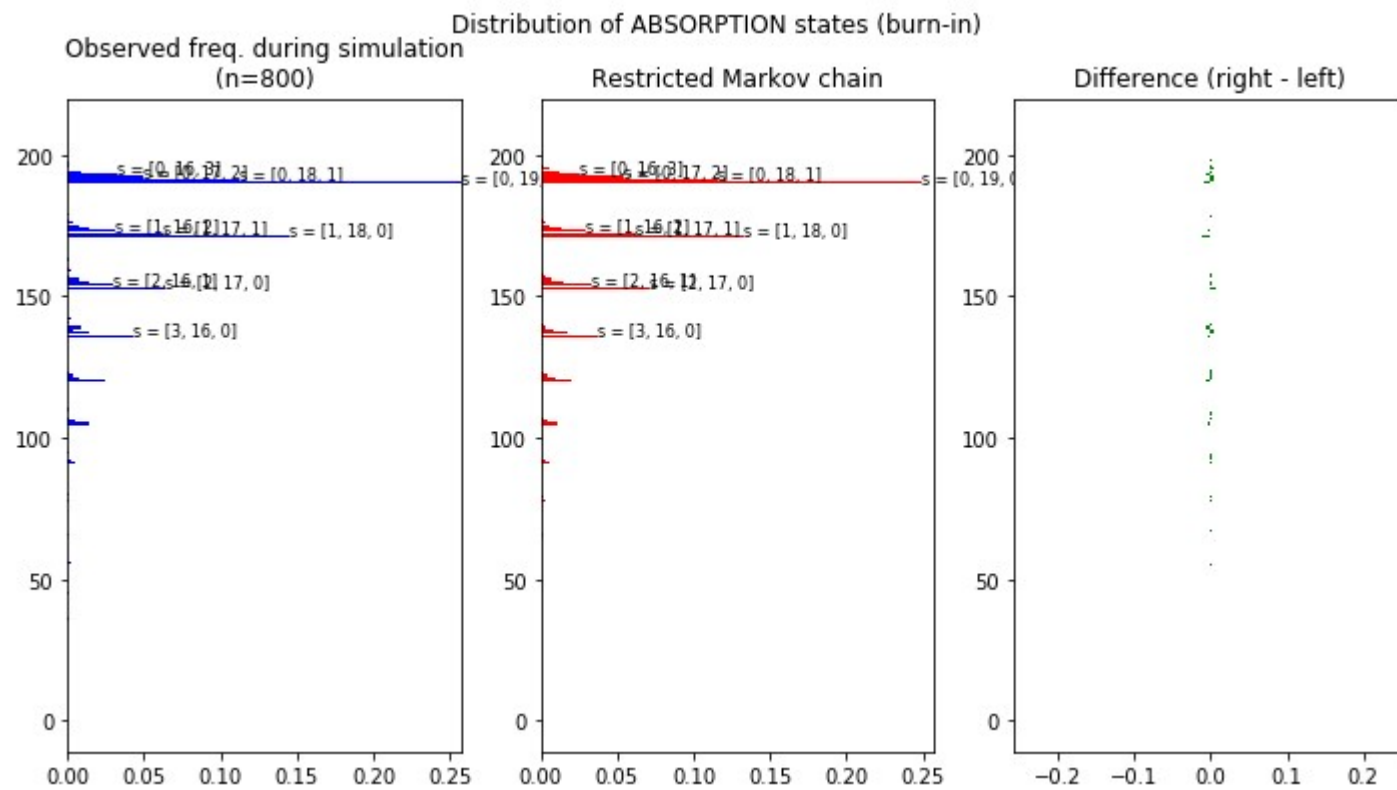


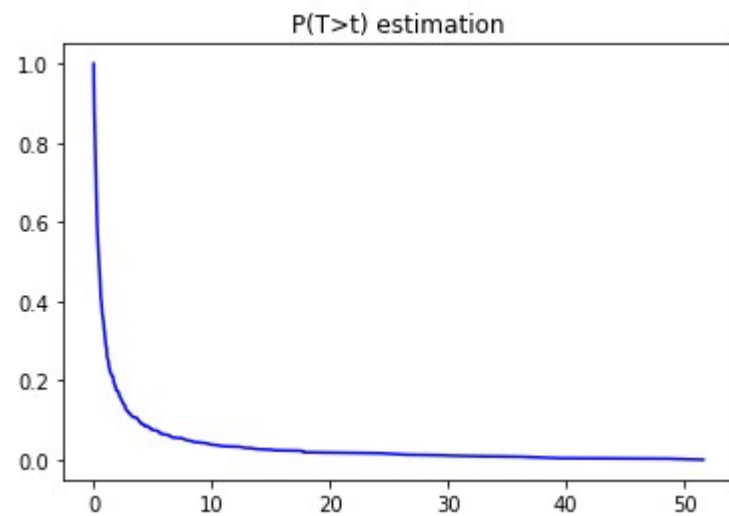
Restricted Markov chain



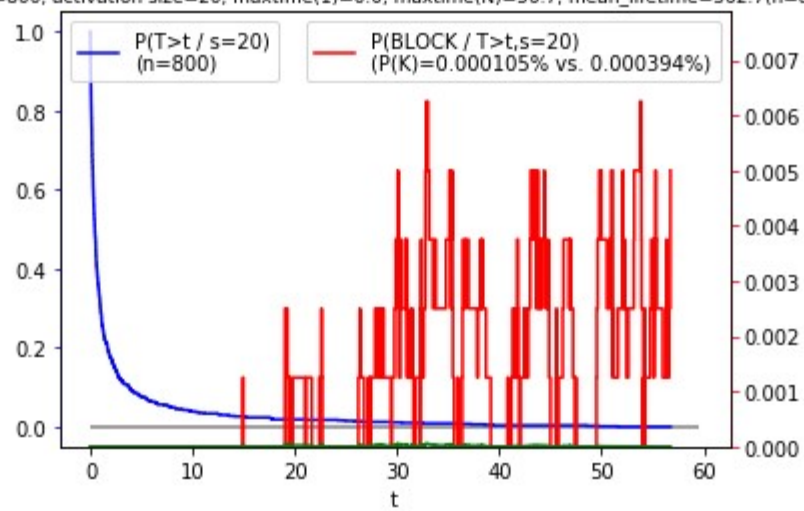
Difference (right - left)







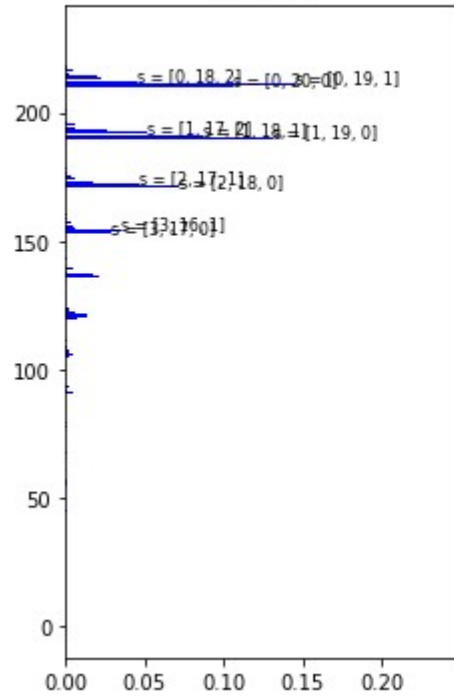
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=800$, activation size=20, maxtime(1)=0.0, maxtime(N)=56.7, mean_lifetime=362.7($n=800$), finalize=ABS, seed=1747



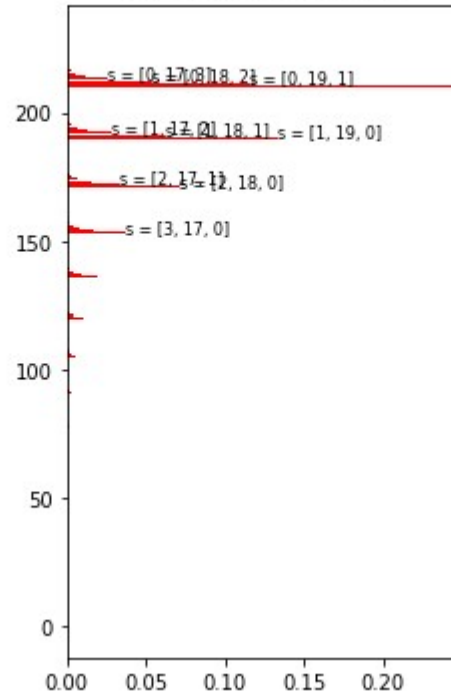
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Distribution of ACTIVATION states (after burn-in)

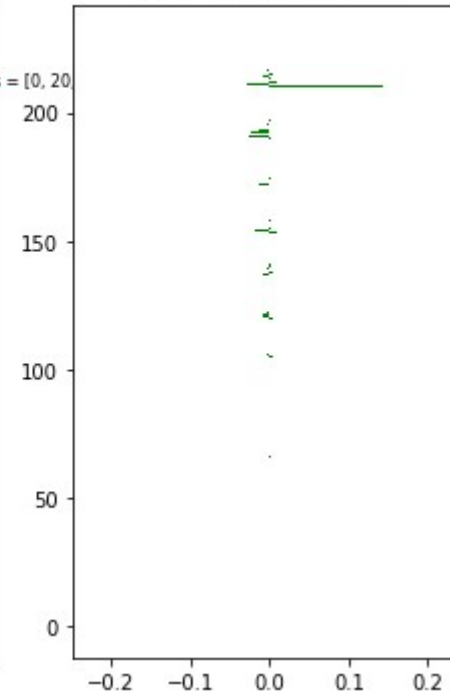
Observed freq. during simulation
(n=800)



Restricted Markov chain

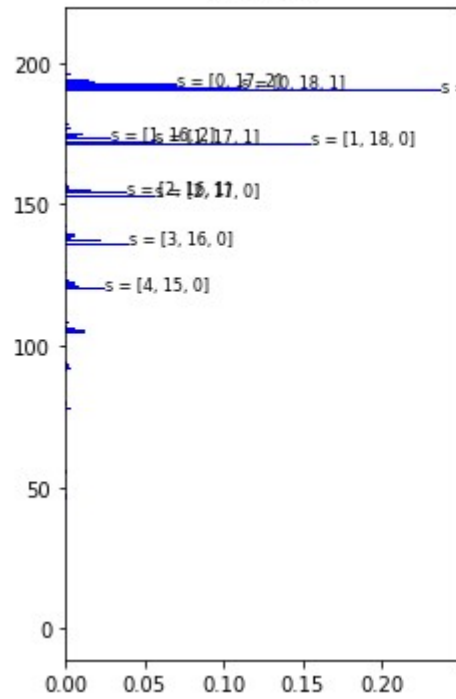


Difference (right - left)

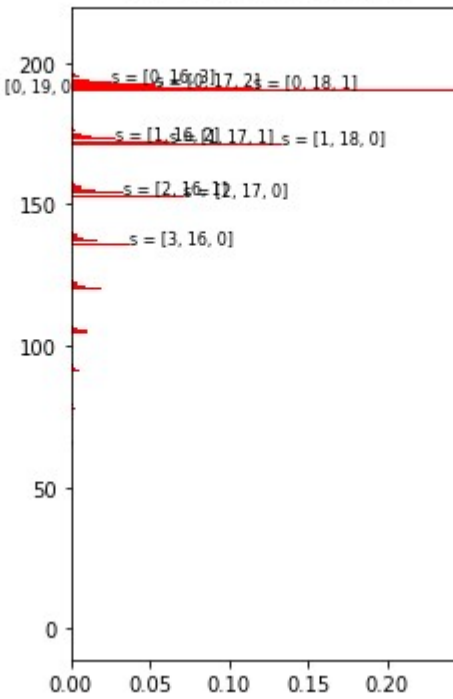


Distribution of ABSORPTION states (burn-in)

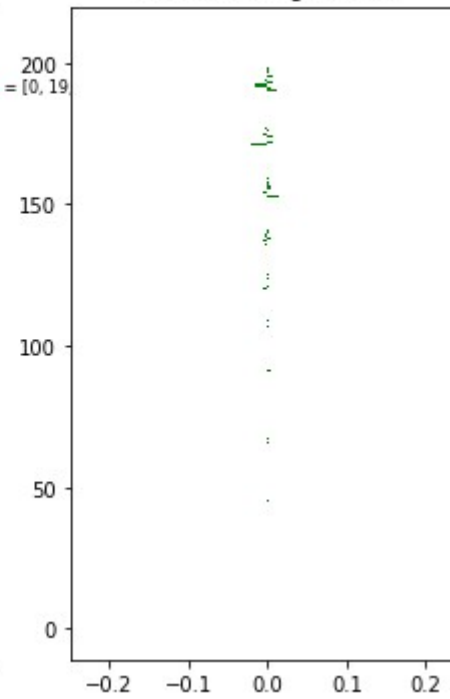
Observed freq. during simulation
(n=800)

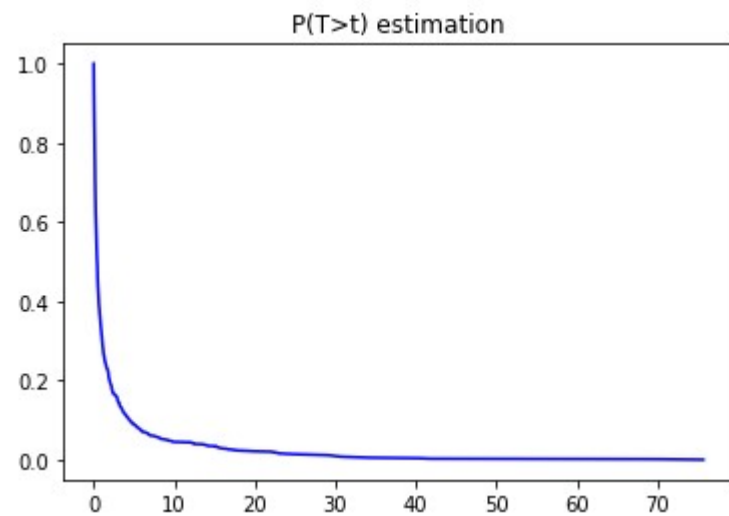


Restricted Markov chain

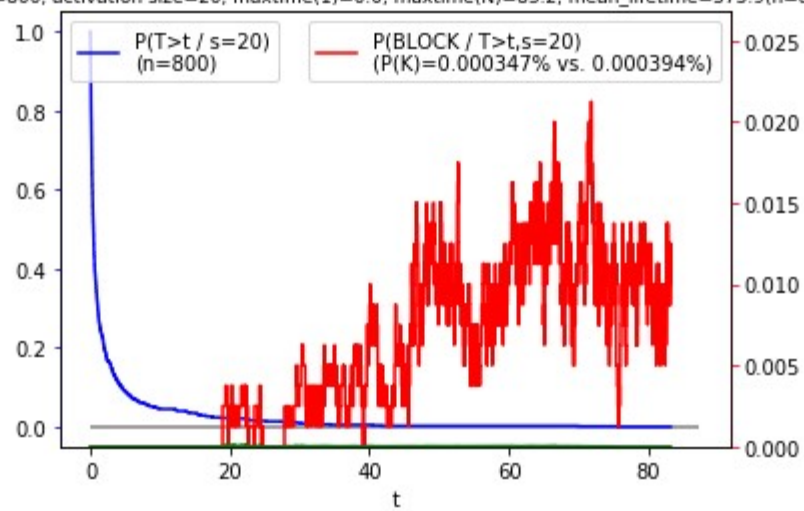


Difference (right - left)





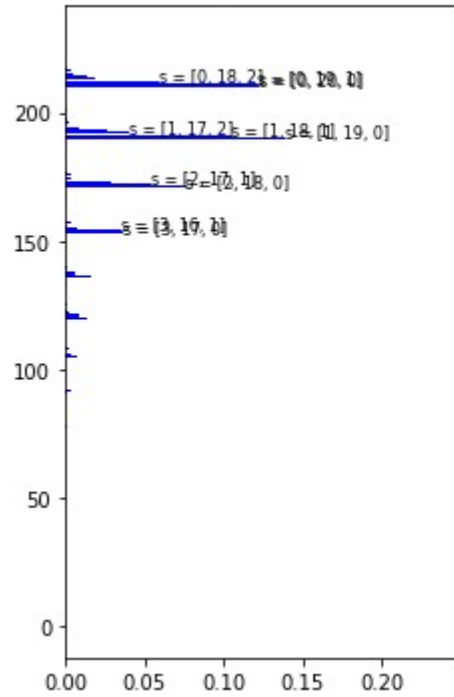
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=800$, activation size=20, maxtime(1)=0.0, maxtime(N)=83.2, mean_lifetime=375.9($n=800$), finalize=ABS, seed=1757



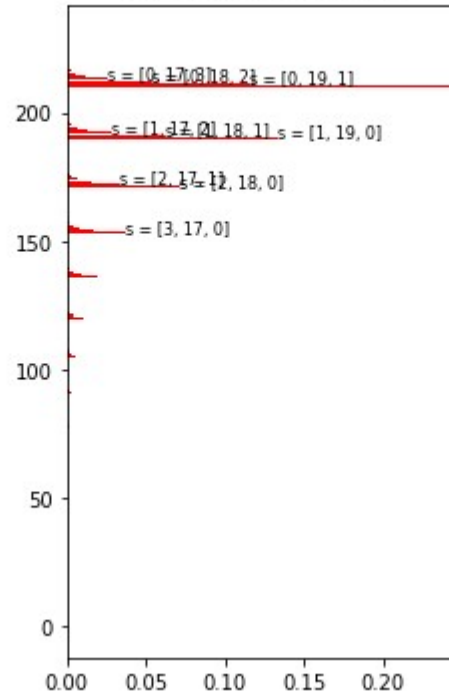
<matplotlib.figure.Figure at 0x27714cd62b0>

Distribution of ACTIVATION states (after burn-in)

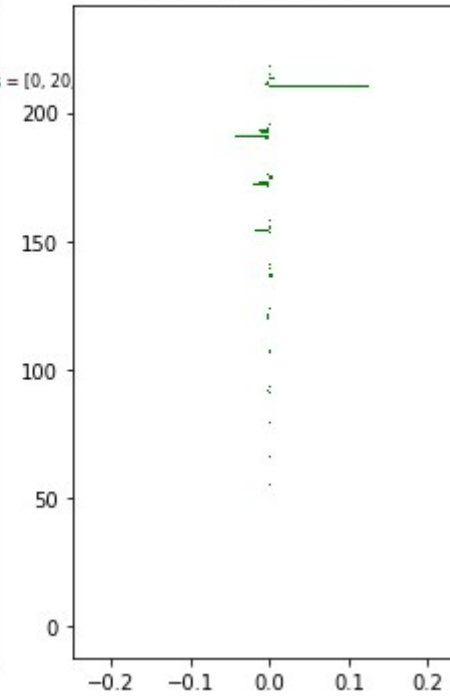
Observed freq. during simulation
(n=800)

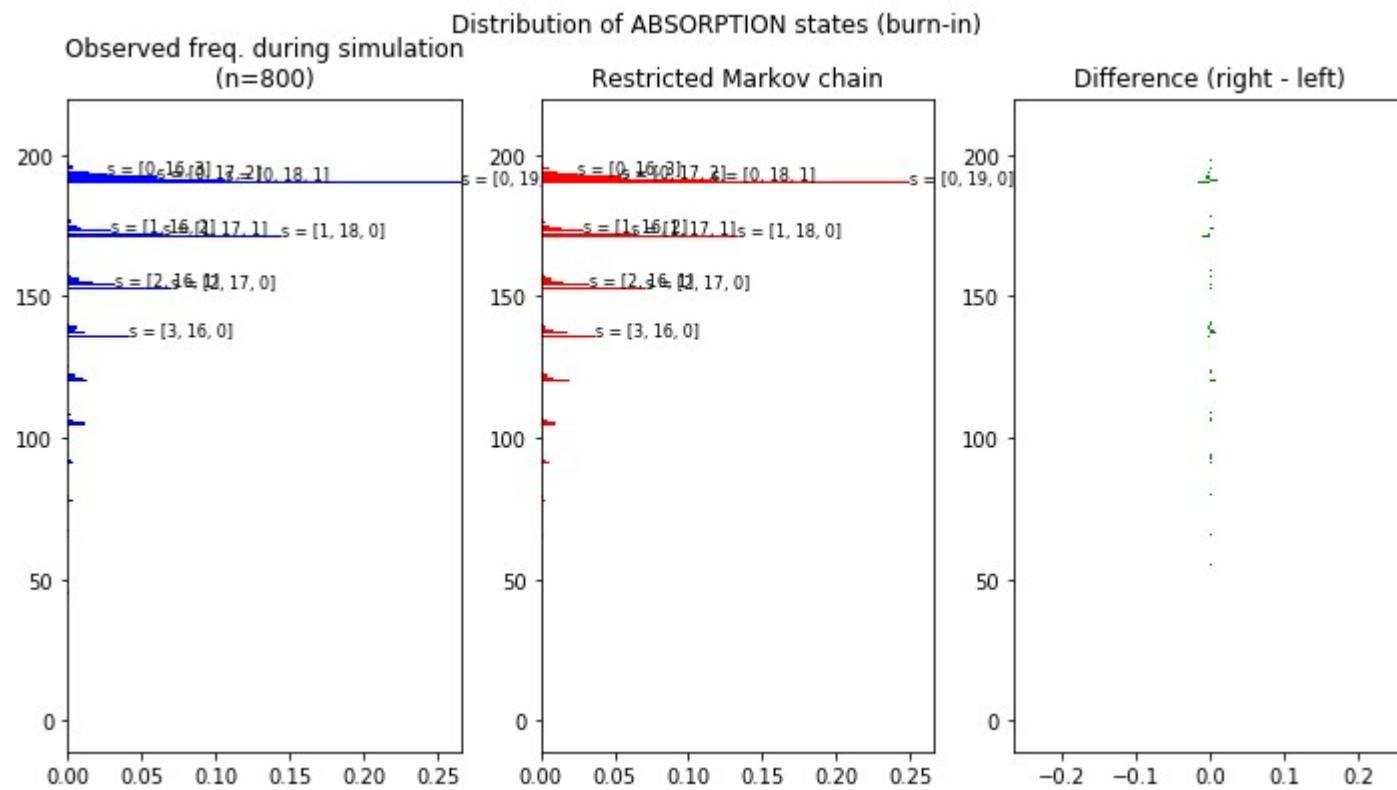


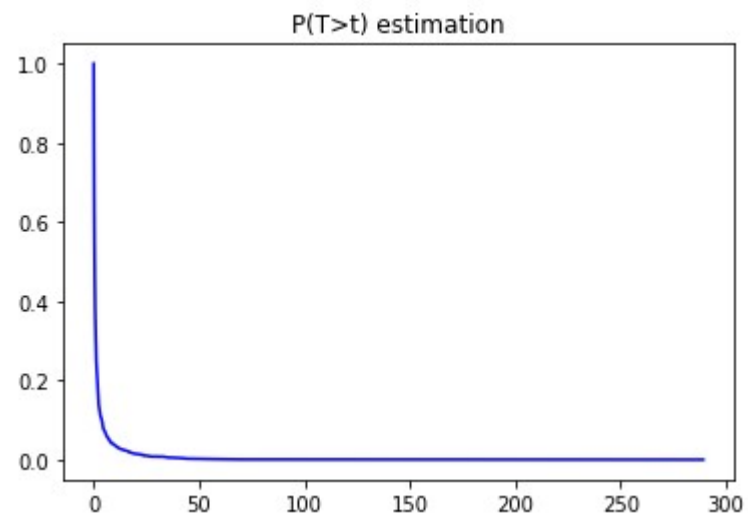
Restricted Markov chain



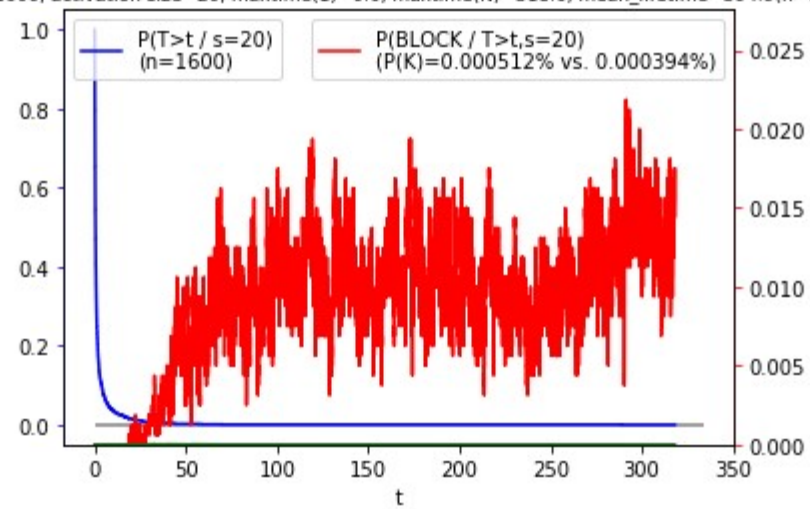
Difference (right - left)







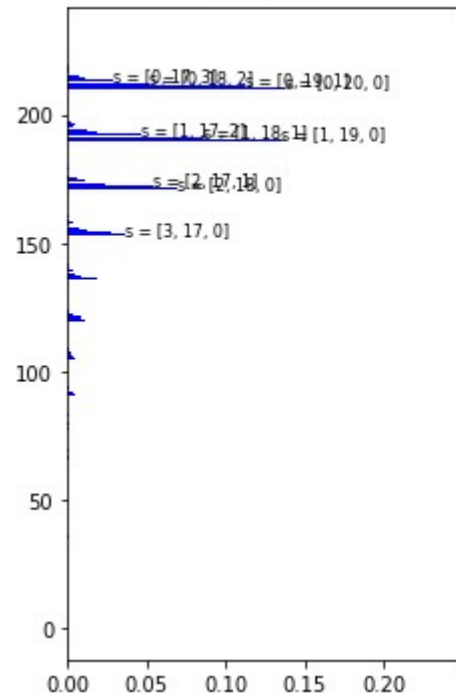
K=40, rhos=[0.4, 0.75, 0.35], N=1600, activation size=20, maxtime(1)=0.0, maxtime(N)=318.0, mean_lifetime=394.9(n=1600), finalize=ABS, seed=1717



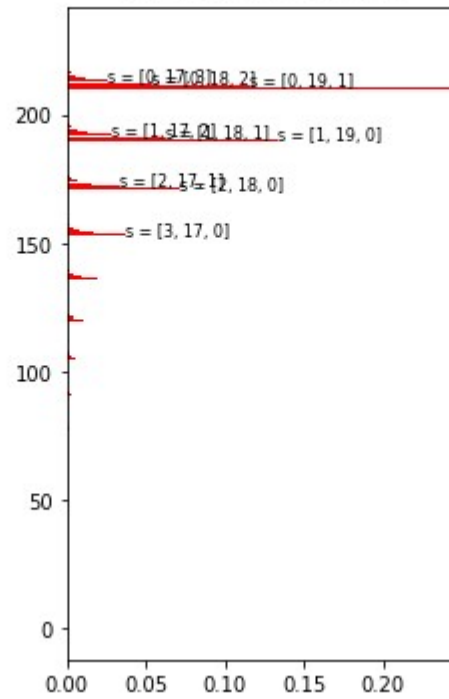
<matplotlib.figure.Figure at 0x277081cfd30>

Distribution of ACTIVATION states (after burn-in)

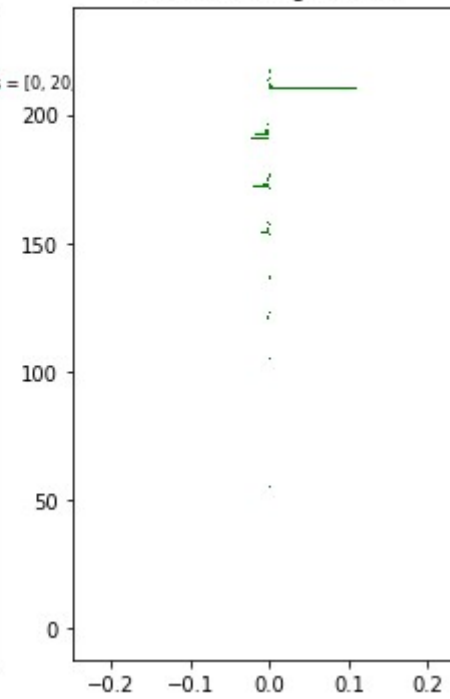
Observed freq. during simulation
(n=1600)

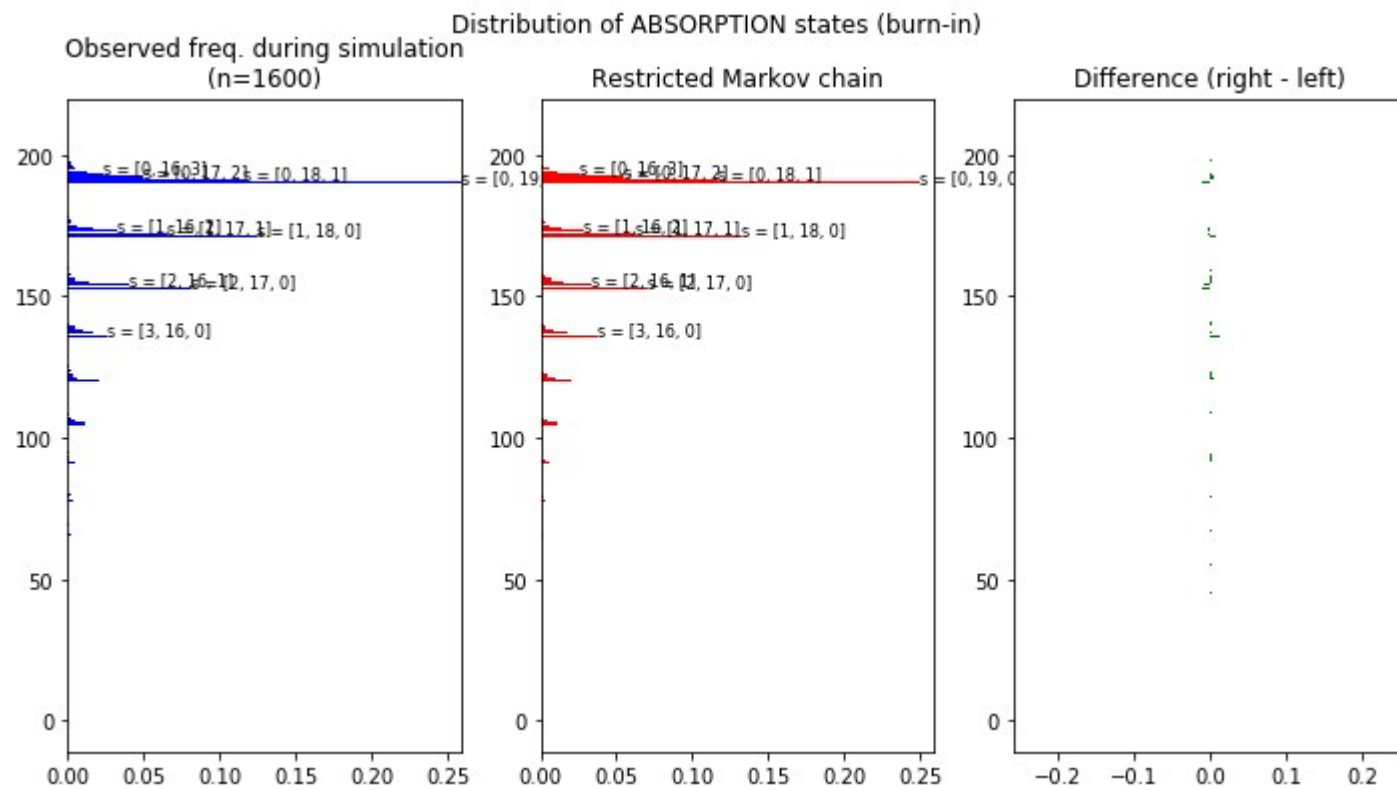


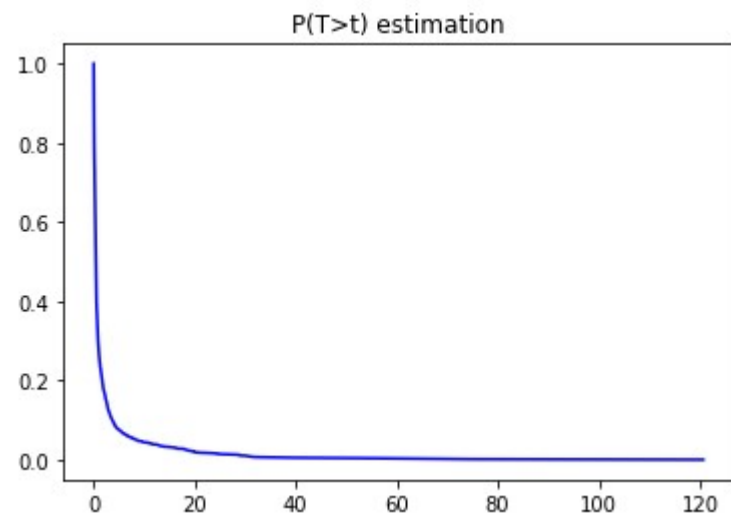
Restricted Markov chain



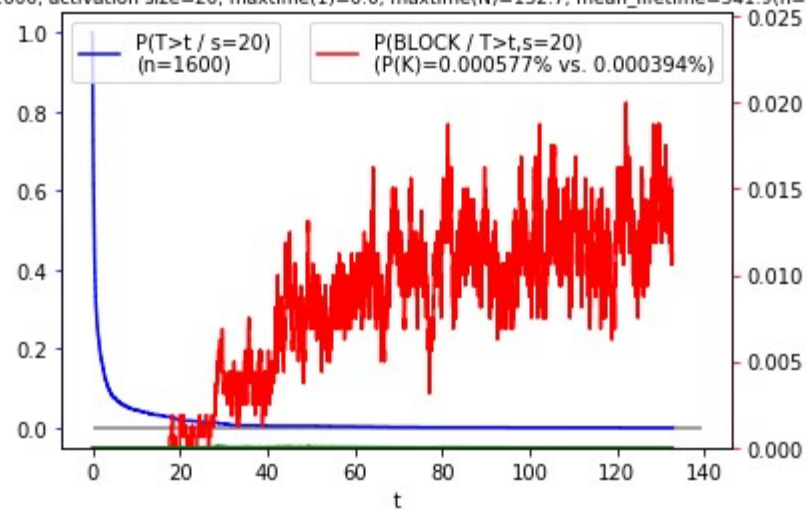
Difference (right - left)







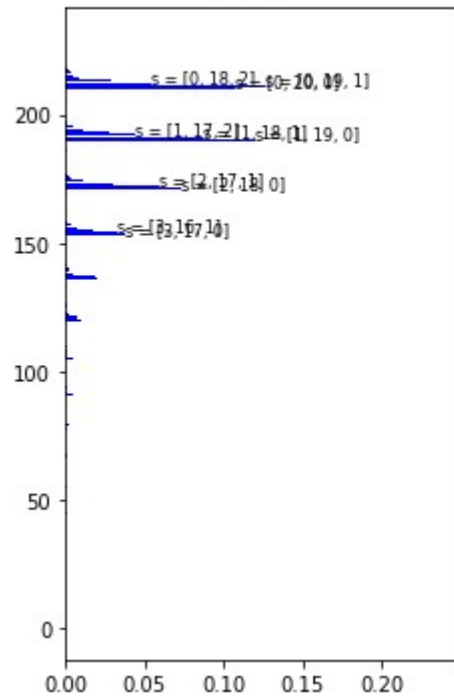
K=40, rhos=[0.4, 0.75, 0.35], N=1600, activation size=20, maxtime(1)=0.0, maxtime(N)=132.7, mean_lifetime=341.9(n=1600), finalize=ABS, seed=1727



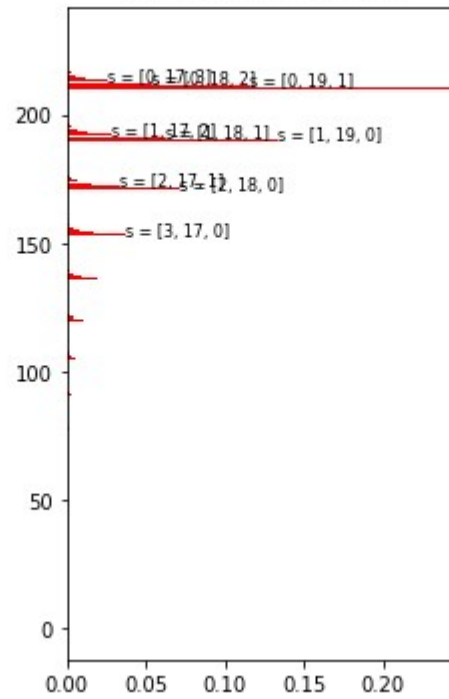
<matplotlib.figure.Figure at 0x2770e3a2438>

Distribution of ACTIVATION states (after burn-in)

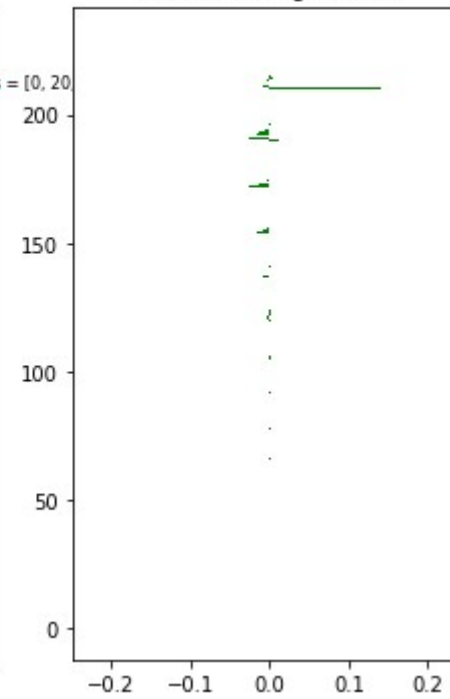
Observed freq. during simulation
(n=1600)

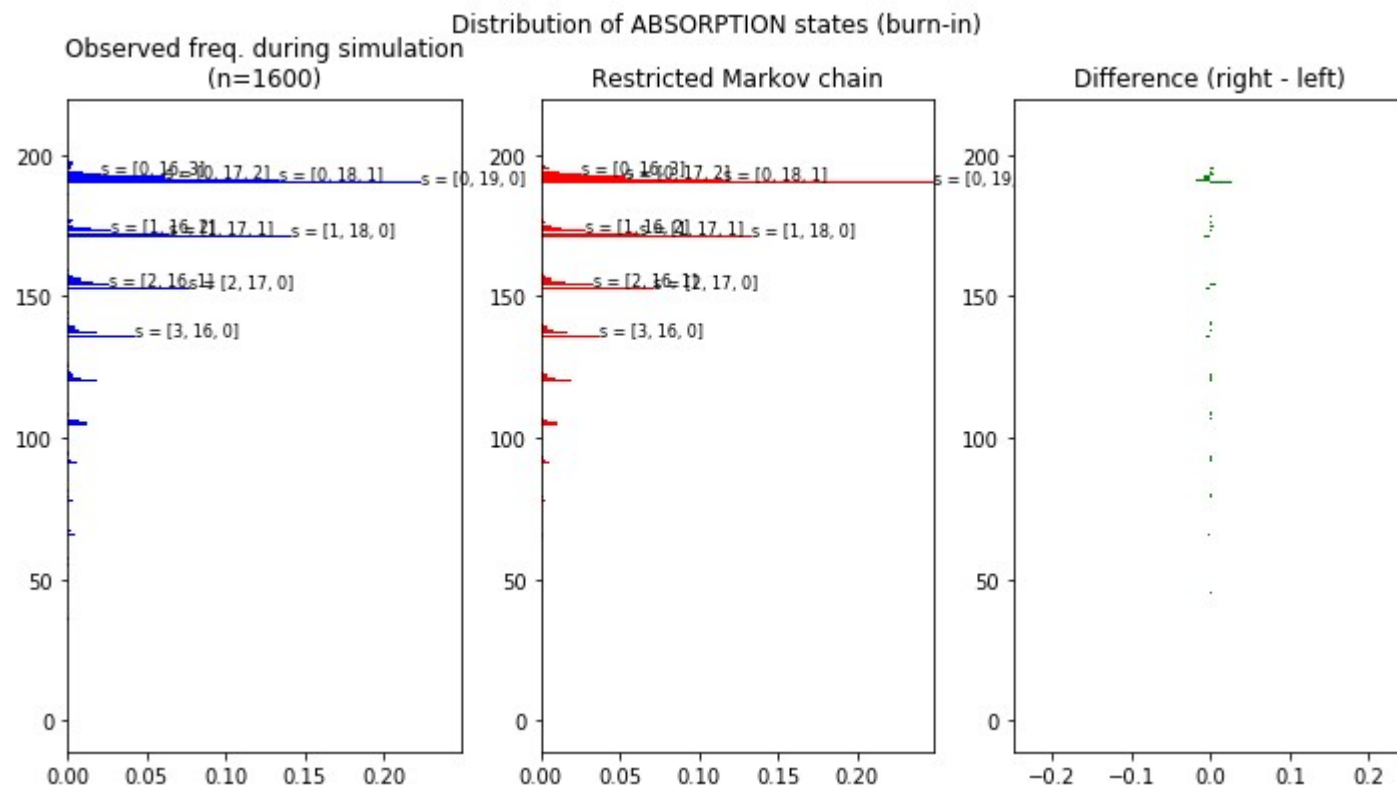


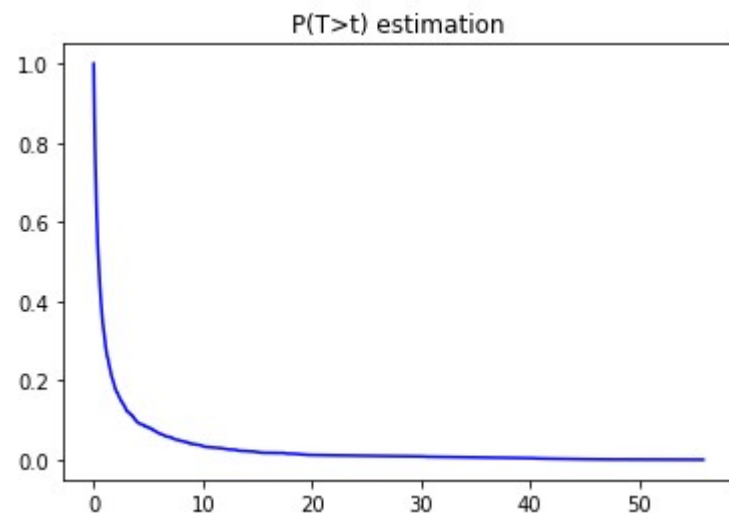
Restricted Markov chain



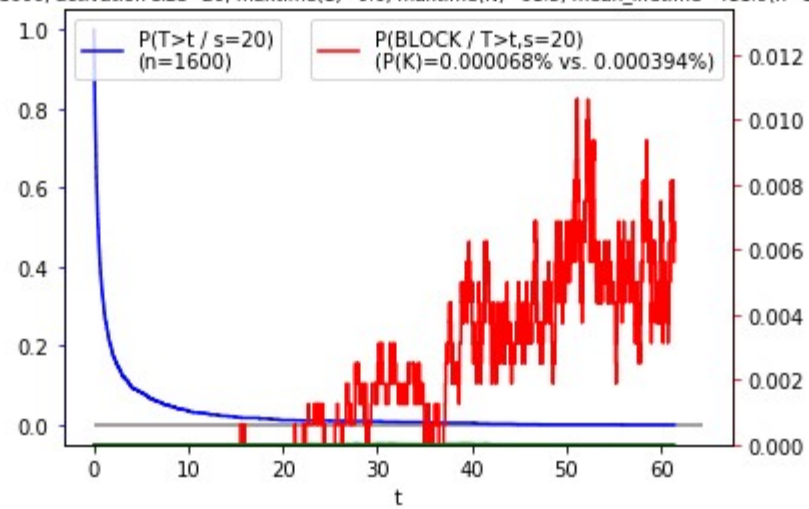
Difference (right - left)







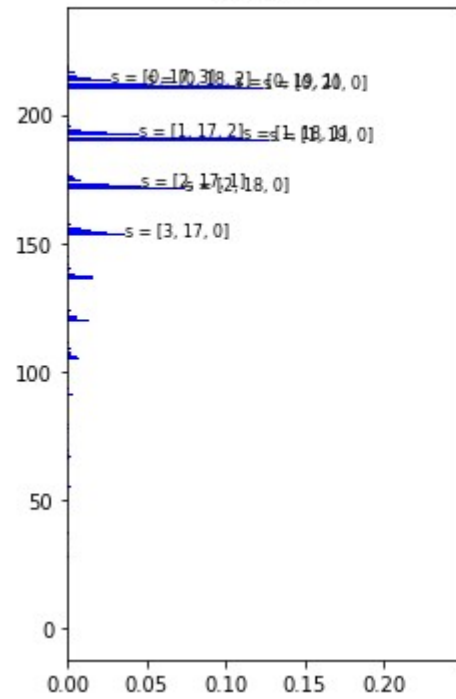
K=40, rhos=[0.4, 0.75, 0.35], N=1600, activation size=20, maxtime(1)=0.0, maxtime(N)=61.5, mean_lifetime=411.9(n=1600), finalize=ABS, seed=1737



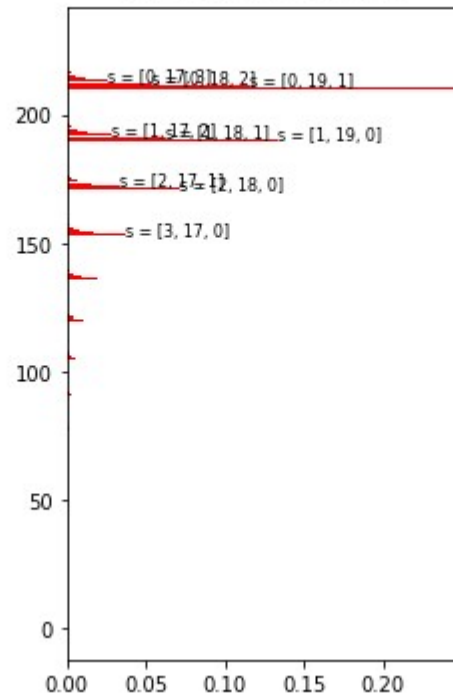
<matplotlib.figure.Figure at 0x2770a96f048>

Distribution of ACTIVATION states (after burn-in)

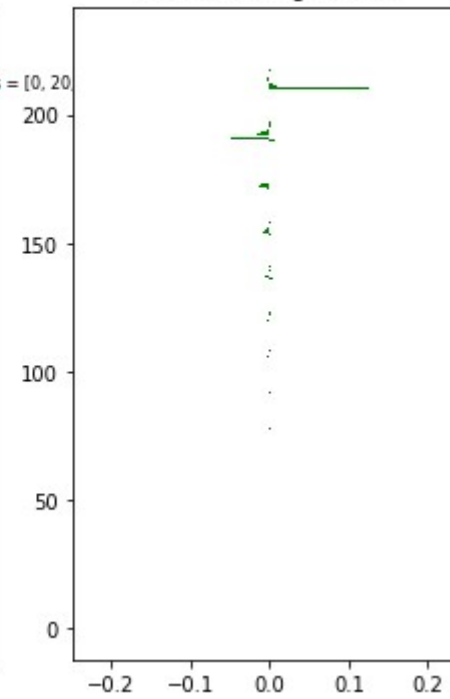
Observed freq. during simulation
(n=1600)



Restricted Markov chain

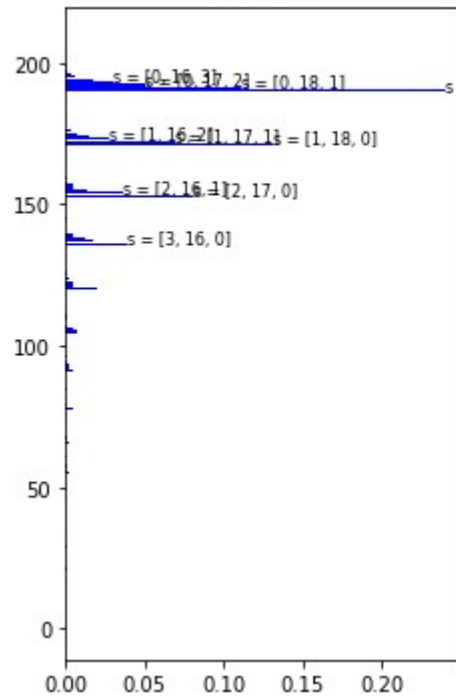


Difference (right - left)

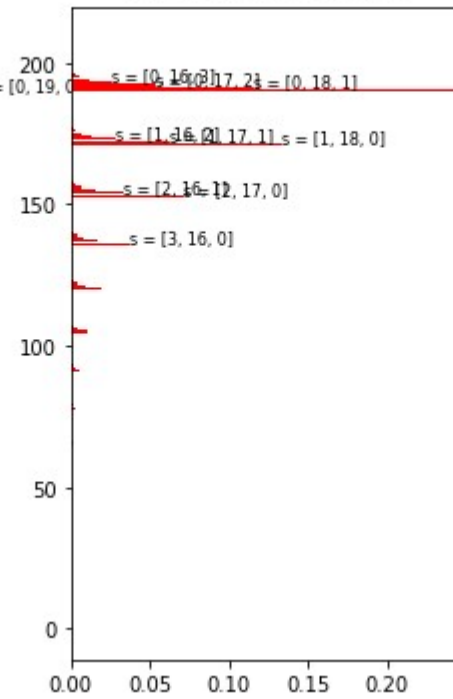


Distribution of ABSORPTION states (burn-in)

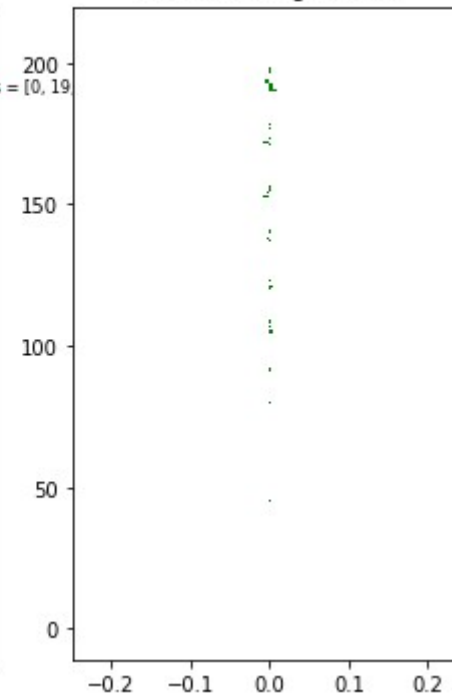
Observed freq. during simulation
(n=1600)

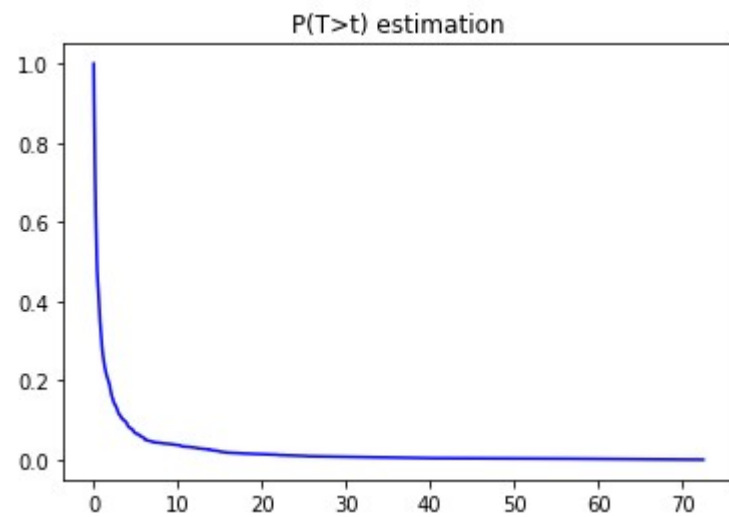


Restricted Markov chain

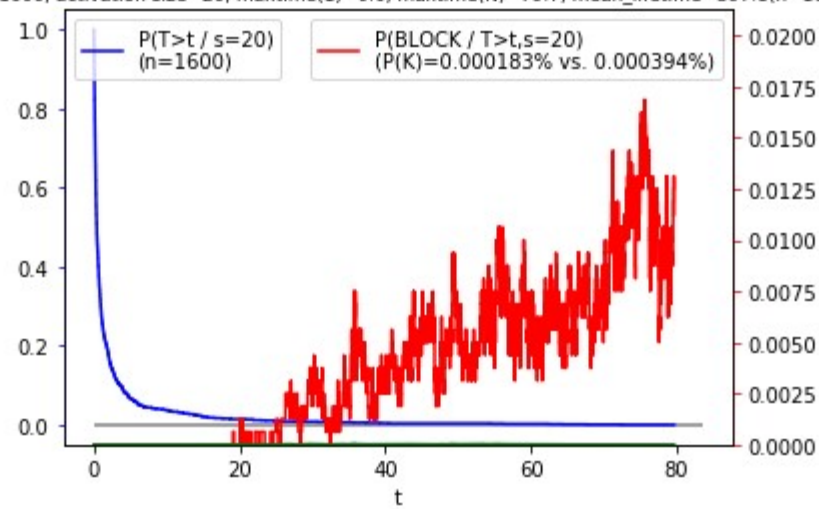


Difference (right - left)





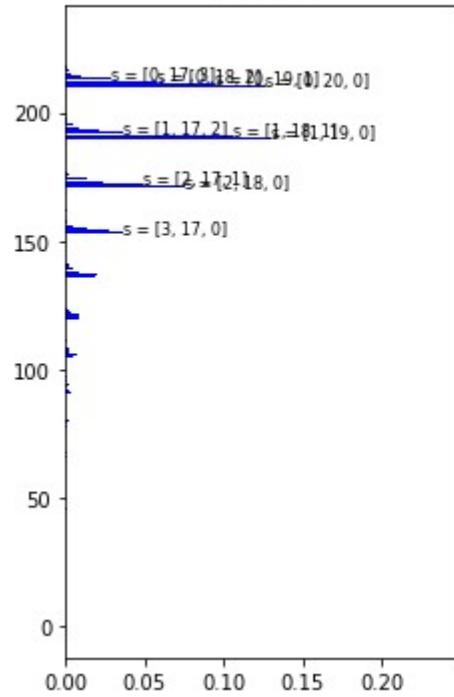
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=1600$, $\text{activation size}=20$, $\text{maxtime}(1)=0.0$, $\text{maxtime}(N)=79.7$, $\text{mean_lifetime}=397.8(n=1600)$, $\text{finalize}=ABS$, $\text{seed}=1747$



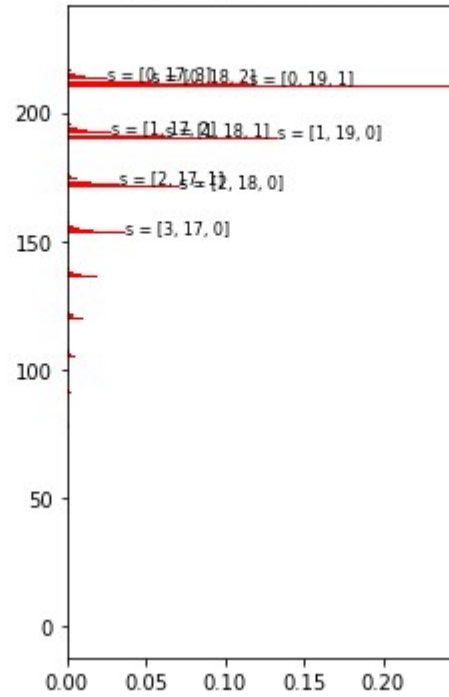
<matplotlib.figure.Figure at 0x2773ed0a358>

Distribution of ACTIVATION states (after burn-in)

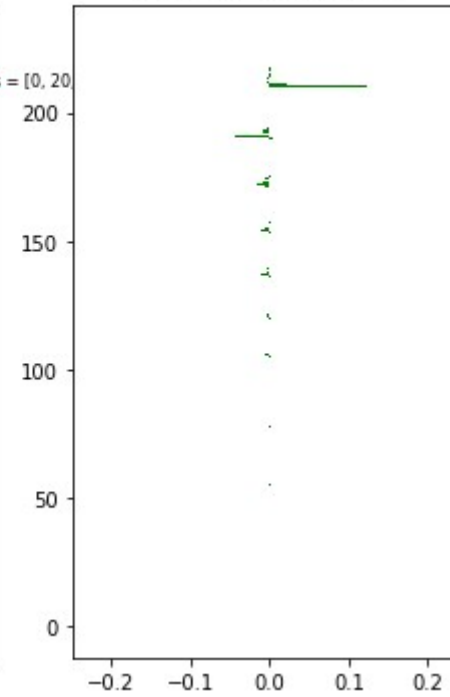
Observed freq. during simulation
(n=1600)

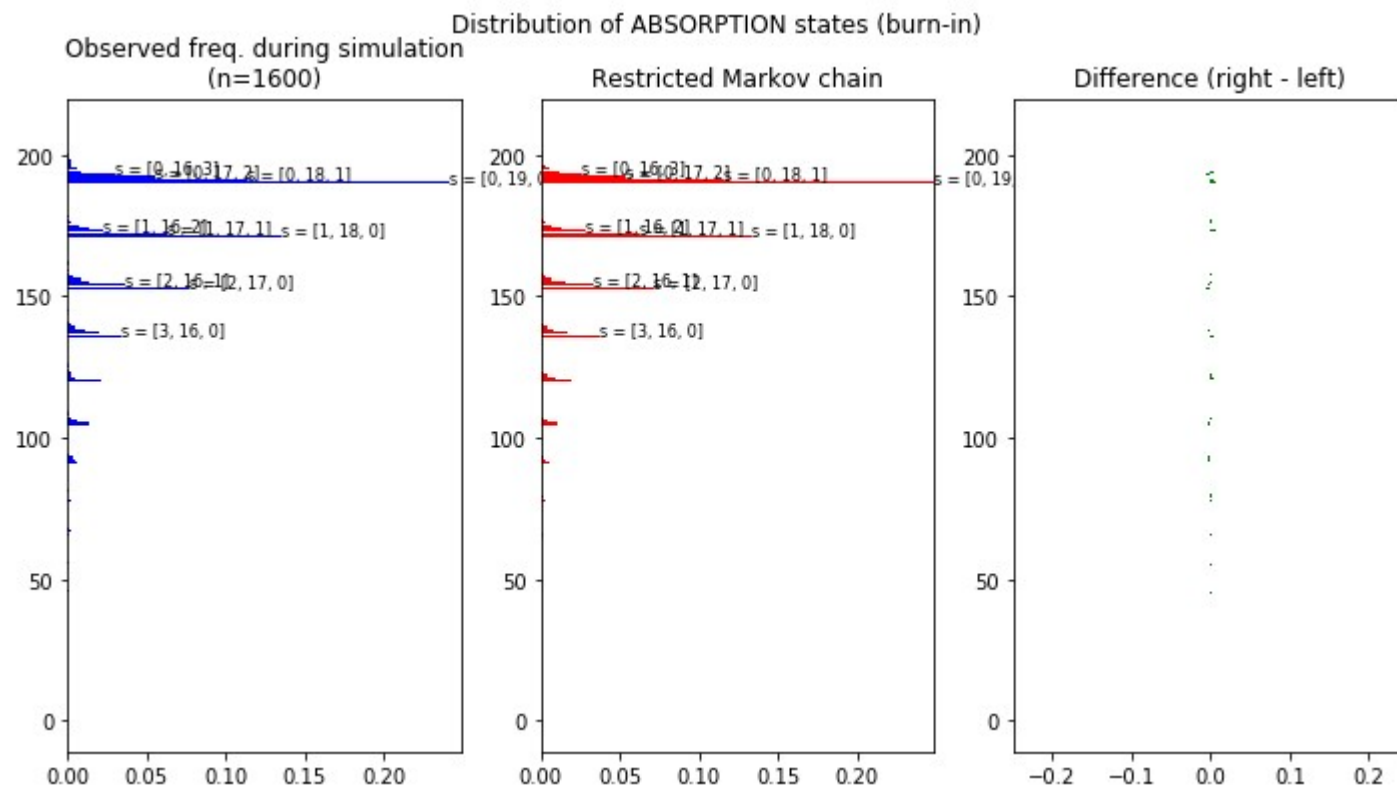


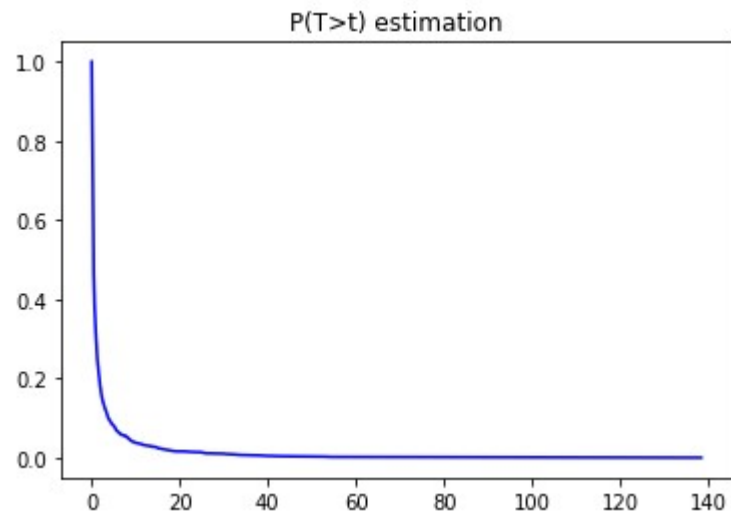
Restricted Markov chain



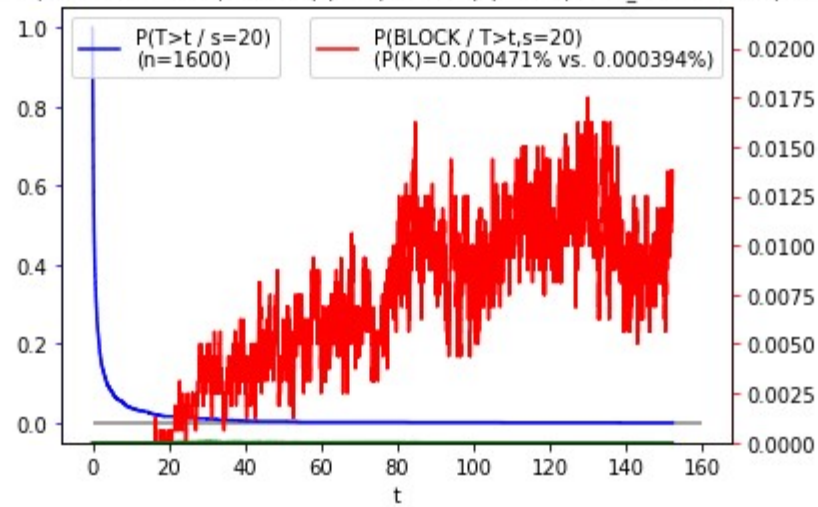
Difference (right - left)







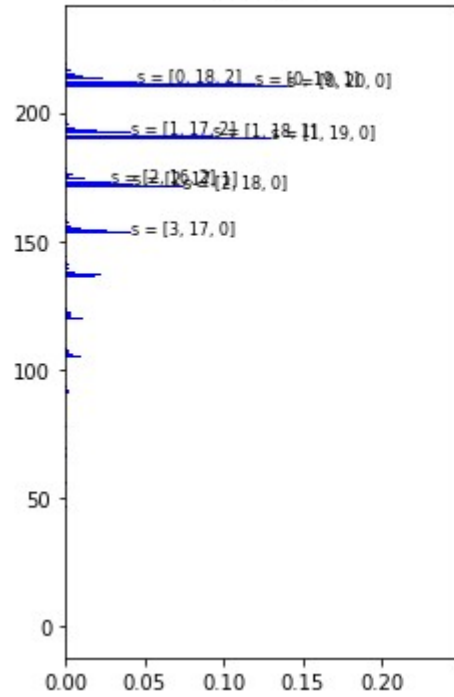
$K=40$, $\text{rhos}=[0.4, 0.75, 0.35]$, $N=1600$, $\text{activation size}=20$, $\text{maxtime}(1)=0.0$, $\text{maxtime}(N)=152.2$, $\text{mean_lifetime}=332.8(n=1600)$, $\text{finalize}=\text{ABS}$, $\text{seed}=1757$



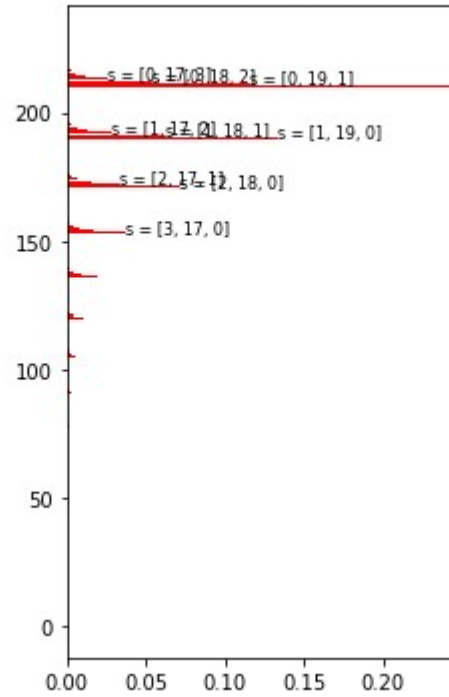
<matplotlib.figure.Figure at 0x277366b9c18>

Distribution of ACTIVATION states (after burn-in)

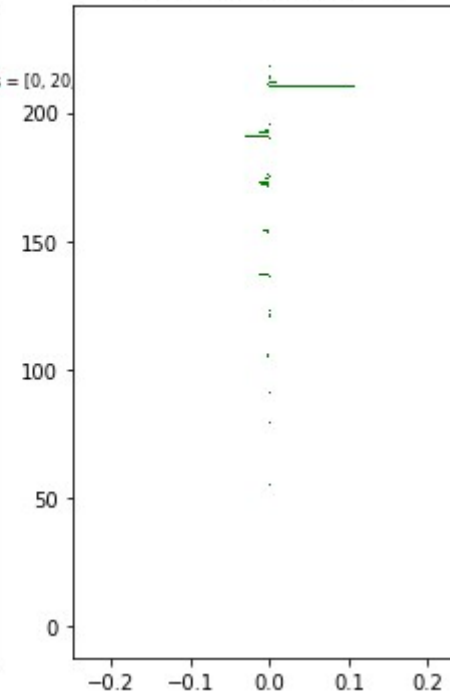
Observed freq. during simulation
(n=1600)

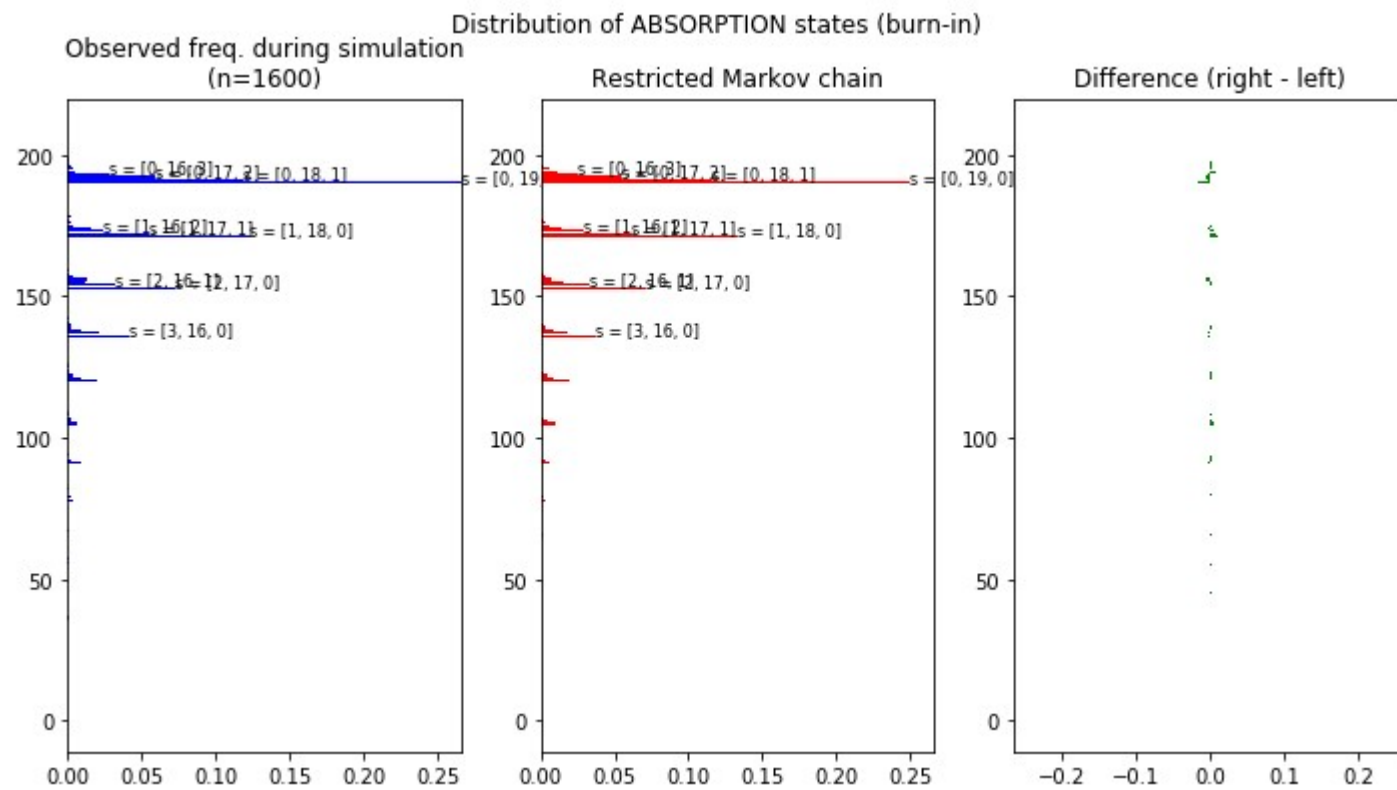


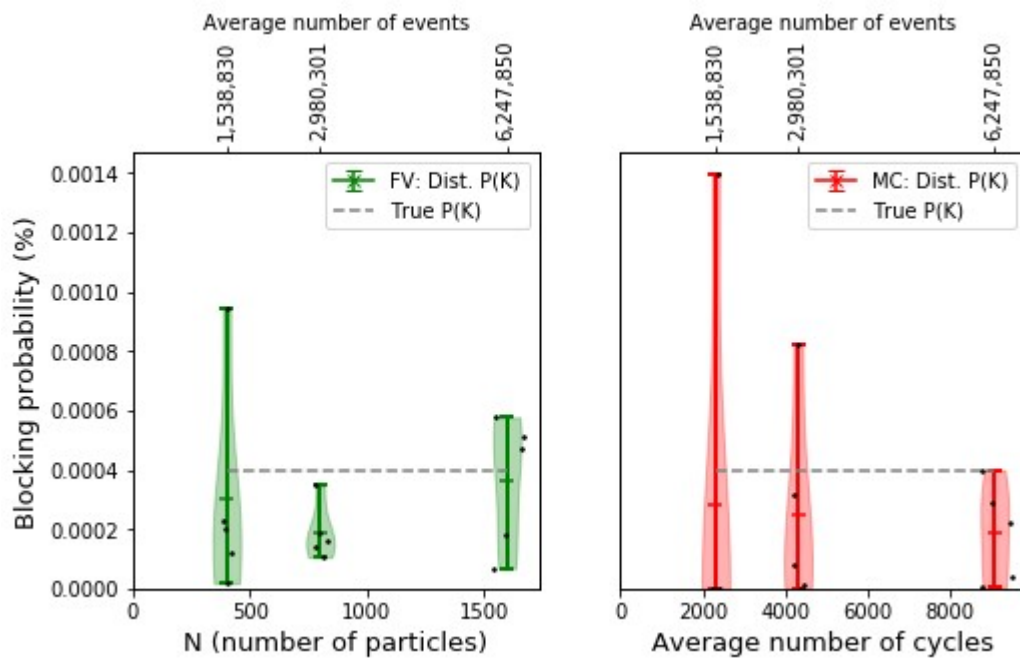
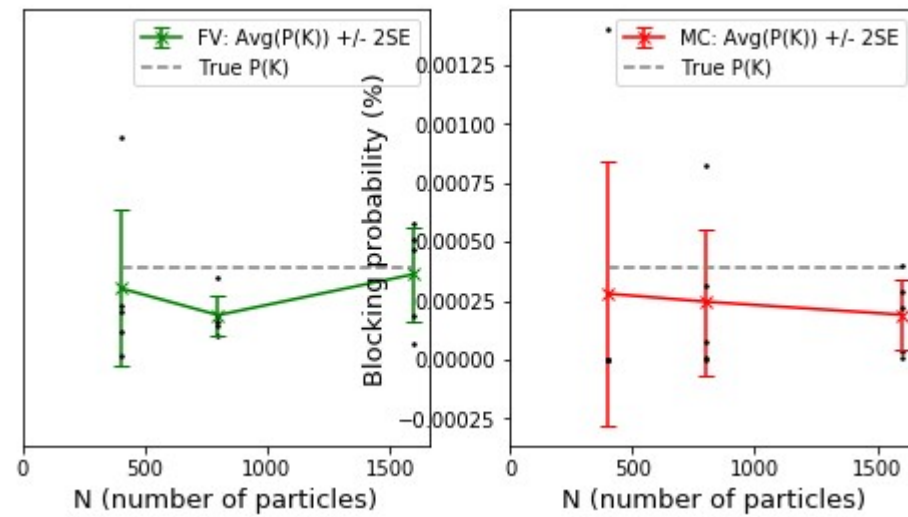
Restricted Markov chain



Difference (right - left)







In [2]: