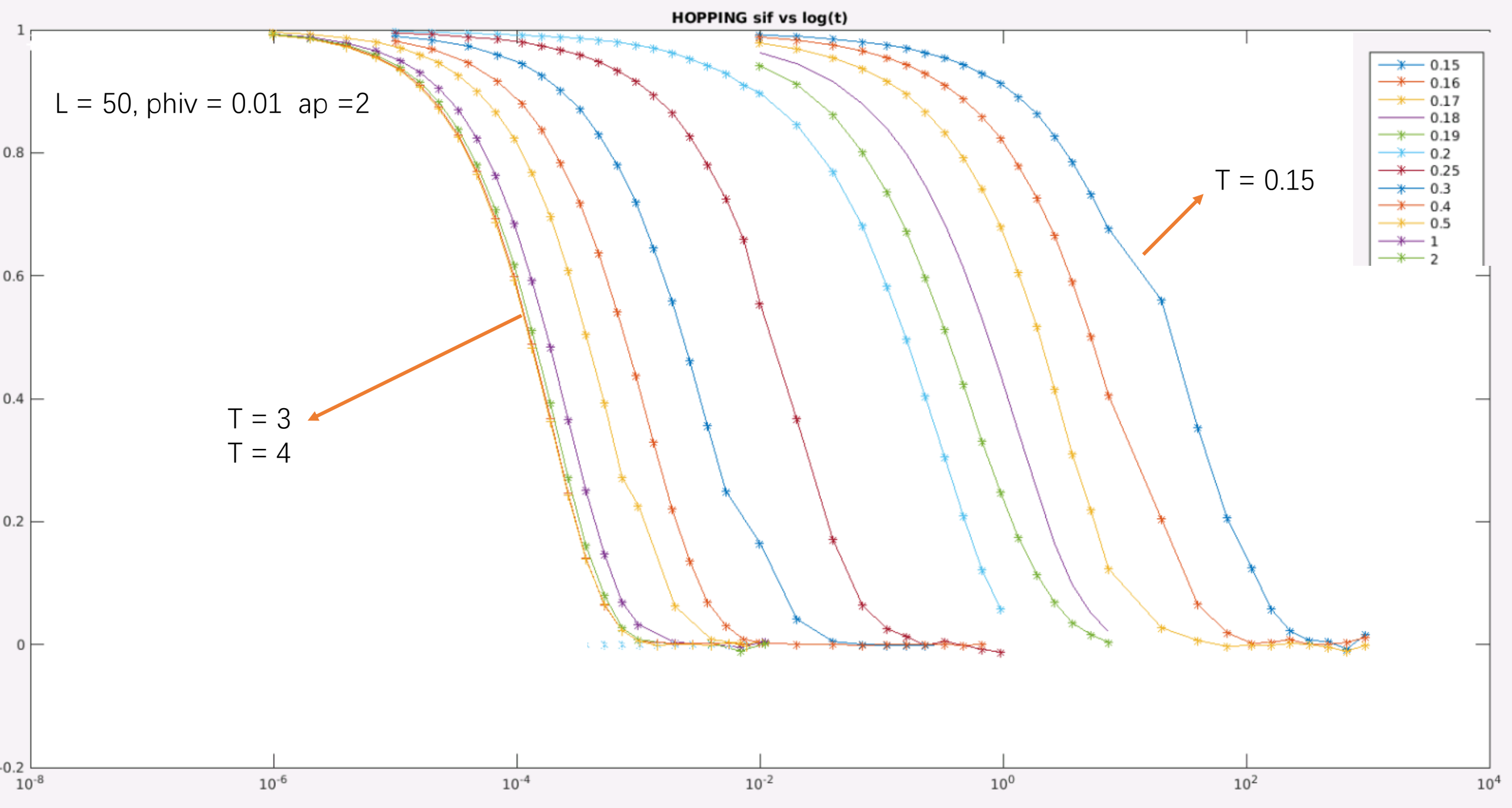
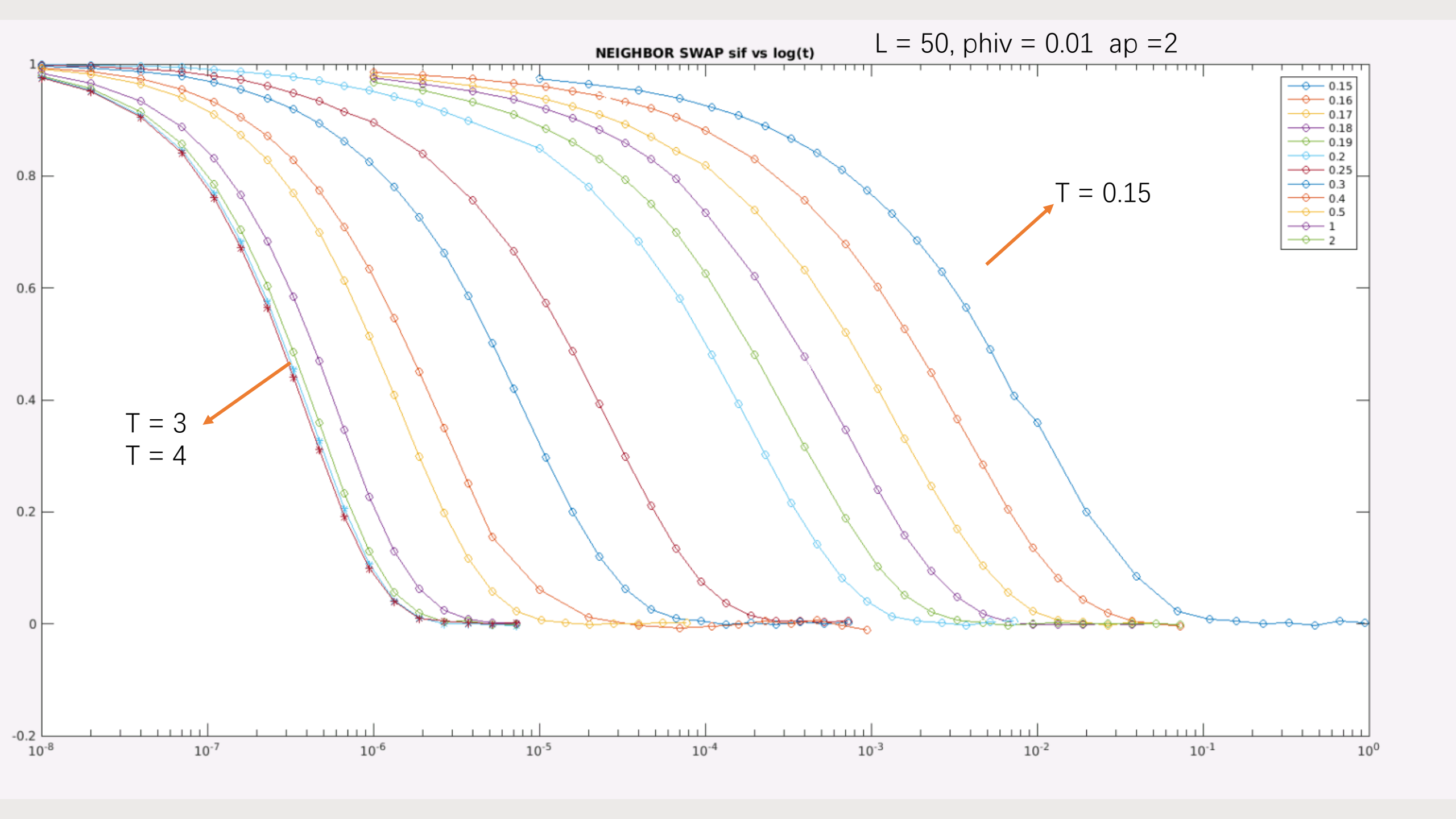
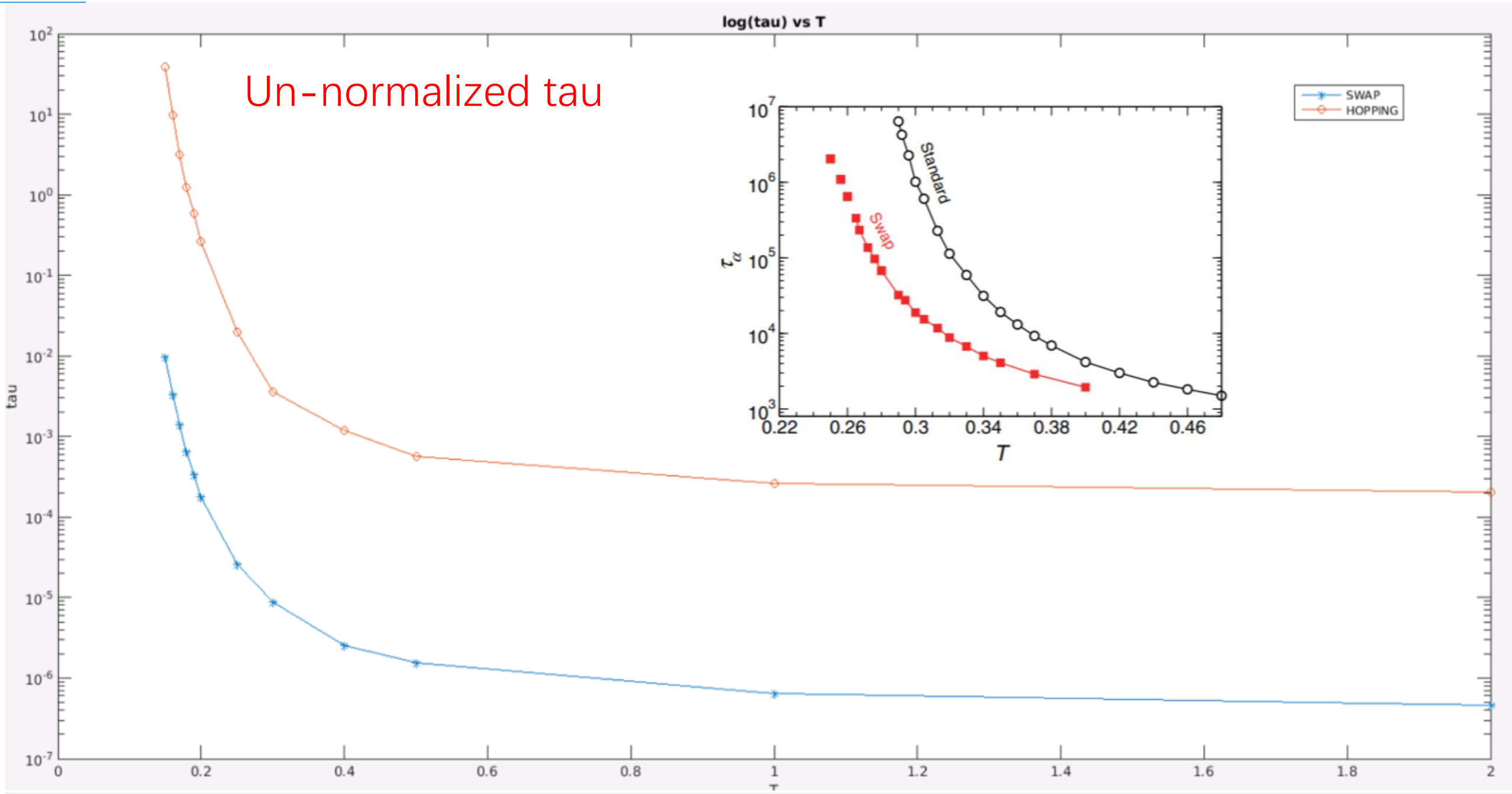
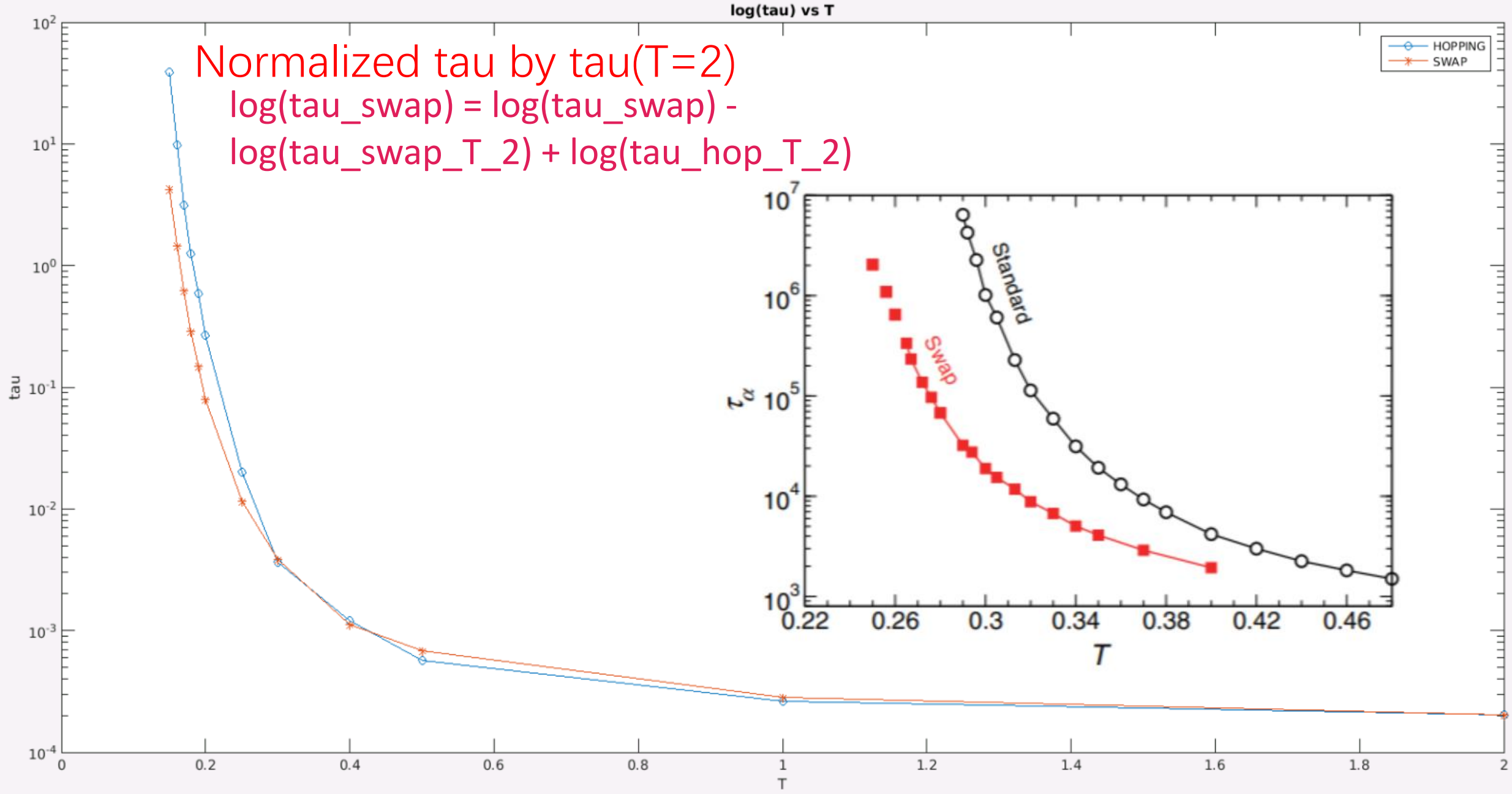

HOPPING sif vs log(t)
L = 50, phiv = 0.01 ap =2
T = 0.15
T = 3
T = 4
0.15
0.16
0.17
0.18
0.19
0.2
0.25
0.3
0.4
0.5
1
2
1
0.8
0.6
0.4
0.2
0
-0.2
10^-8
10^-6
10^-4
10^-2
10^0
10^2
10^4


NEIGHBOR SWAP sif vs log(t)
L = 50, phiv = 0.01 ap =2
T = 0.15
T = 3
T = 4
0.15
0.16
0.17
0.18
0.19
0.2
0.25
0.3
0.4
0.5
1
2
1
0.8
0.6
0.4
0.2
0
-0.2
10^-8
10^-7
10^-6
10^-5
10^-4
10^-3
10^-2
10^-1
10^0


log(tau) vs T
Un-normalized tau
SWAP
HOPPING
tau
Standard
Swap
τ_α
T

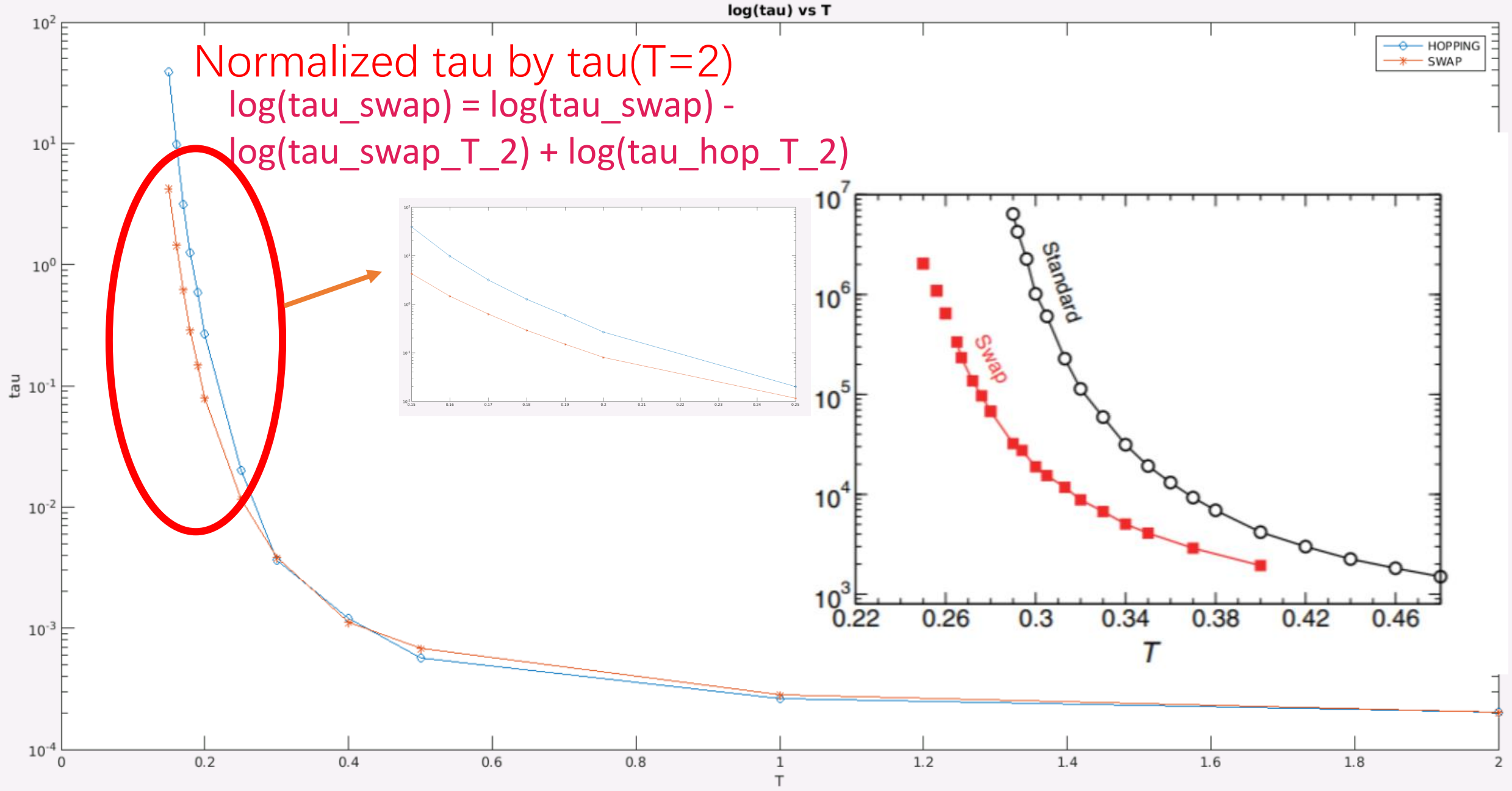
Normalized tau by tau(T=2)

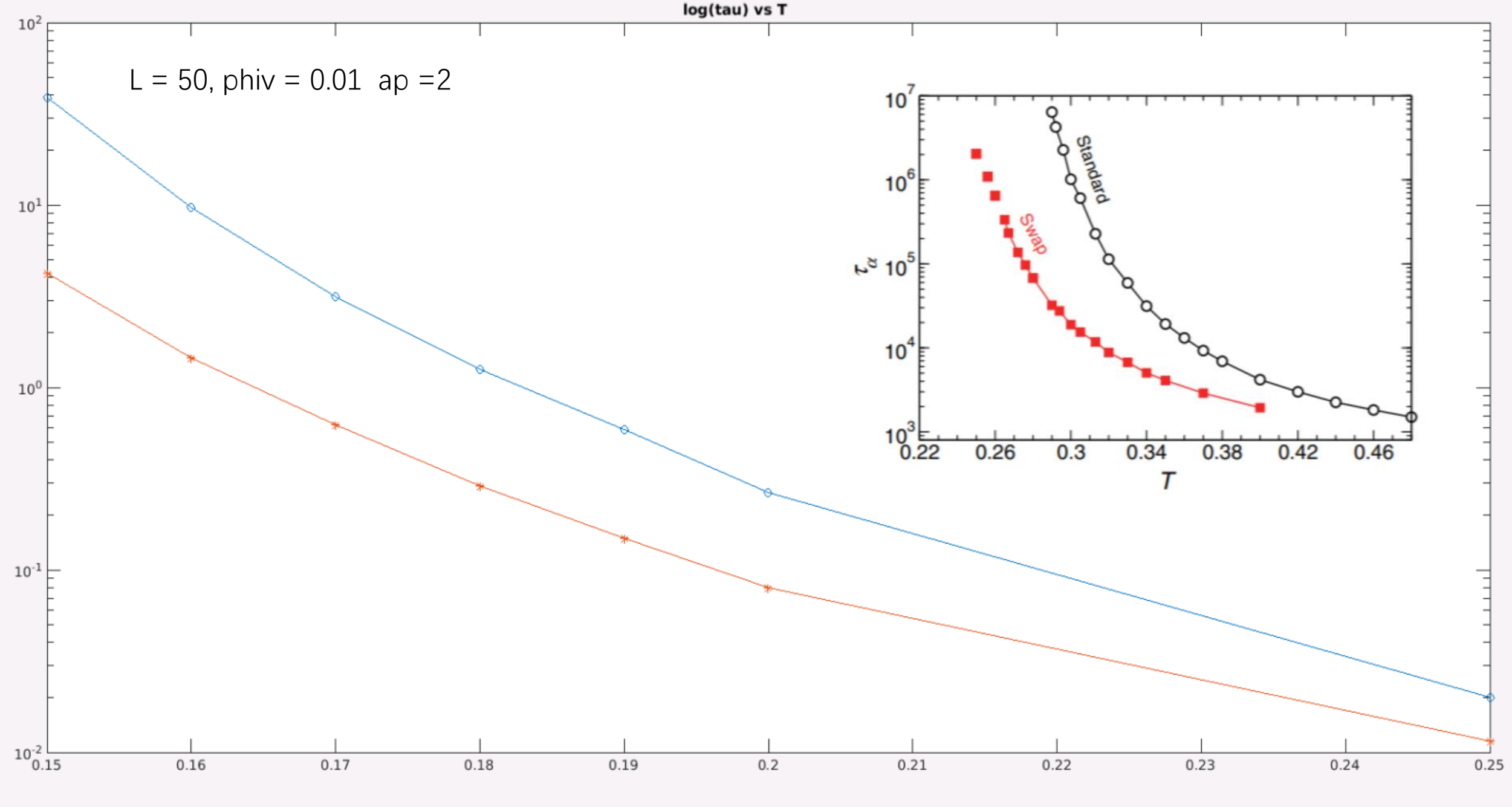
log(tau_swap) = log(tau_swap) - log(tau_swap_T_2) + log(tau_hop_T_2)



Normalized tau by tau(T=2)

log(tau_swap) = log(tau_swap) - log(tau_swap_T_2) + log(tau_hop_T_2)




log(tau) vs T
L = 50, phiv = 0.01 ap =2
Standard
Swap
τ_α
T