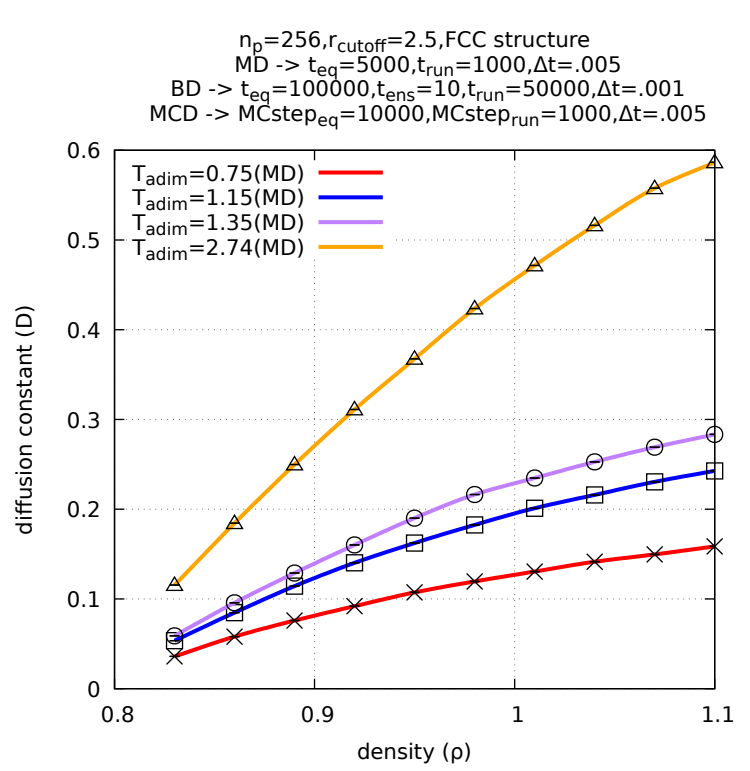
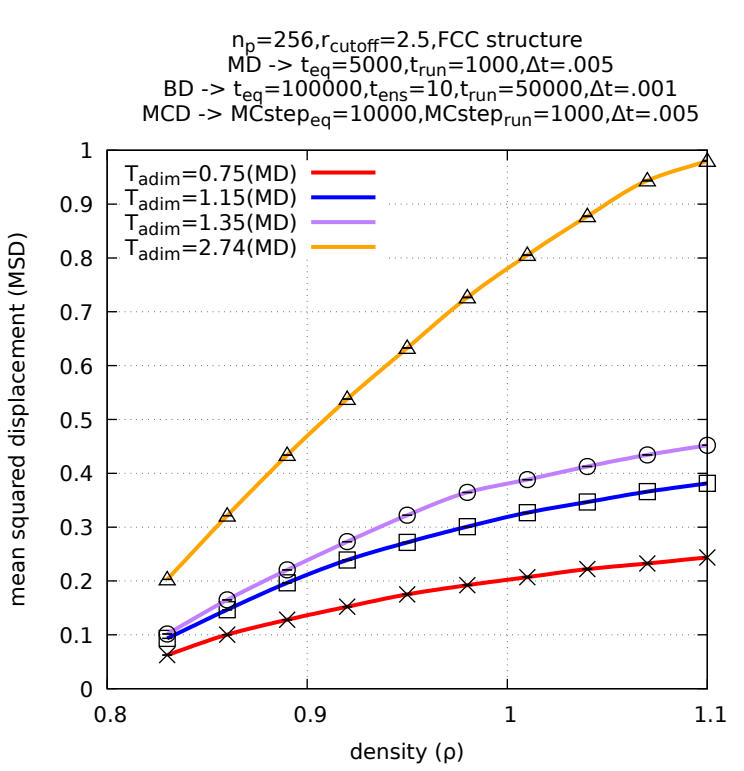
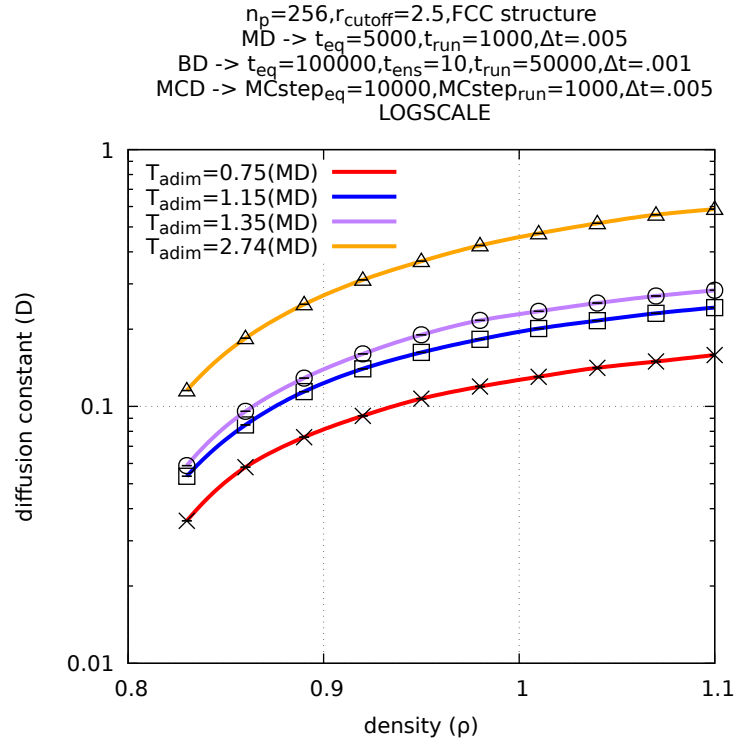
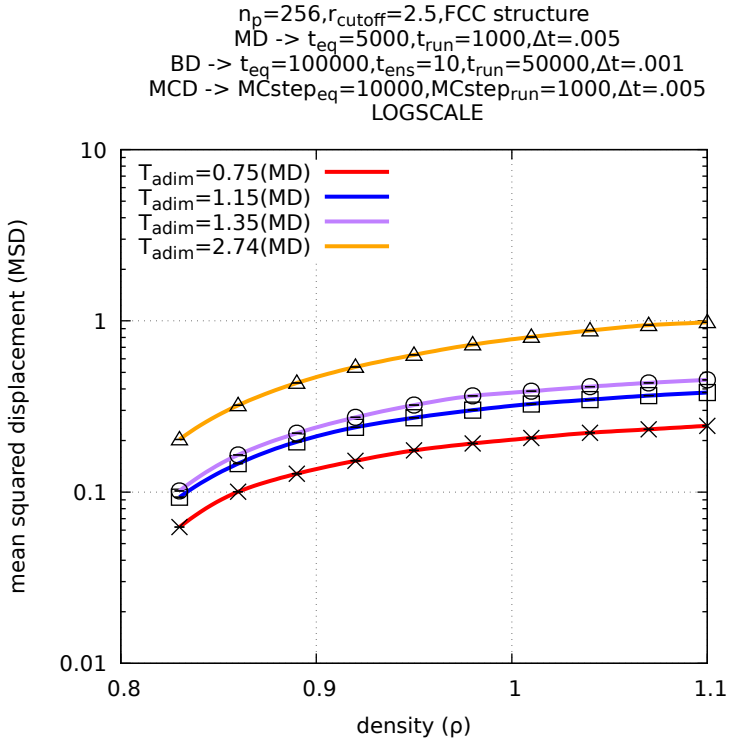

n_p=256,r_{cutoff}=2.5,FCC structure
MD -> t_{eq}=5000,t_{run}=1000,Δt=.005
BD -> t_{eq}=100000,t_{ens}=10,t_{run}=50000,Δt=.001
MCD -> $MCstep_{eq}$=10000,$MCstep_{run}$=1000,Δt=.005
T_{adim}=0.75(MD)
T_{adim}=1.15(MD)
T_{adim}=1.35(MD)
T_{adim}=2.74(MD)
diffusion constant (D)
density (ρ)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.8
0.9
1
1.1


n_p=256,r_{cutoff}=2.5,FCC structure
MD -> t_{eq}=5000,t_{run}=1000,Δt=.005
BD -> t_{eq}=100000,t_{ens}=10,t_{run}=50000,Δt=.001
MCD -> $MCstep_{eq}$=10000,$MCstep_{run}$=1000,Δt=.005
T_{adim}=0.75(MD)
T_{adim}=1.15(MD)
T_{adim}=1.35(MD)
T_{adim}=2.74(MD)
mean squared displacement (MSD)
density (ρ)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
0.8
0.9
1
1.1


n_p=256,r_{cutoff}=2.5,FCC structure
MD -> t_{eq}=5000,t_{run}=1000,Δt=.005
BD -> t_{eq}=100000,t_{ens}=10,t_{run}=50000,Δt=.001
MCD -> $MCstep_{eq}$=10000,$MCstep_{run}$=1000,Δt=.005
LOGSCALE
T_{adim}=0.75(MD)
T_{adim}=1.15(MD)
T_{adim}=1.35(MD)
T_{adim}=2.74(MD)
diffusion constant (D)
density (ρ)
0.01
0.1
1
0.8
0.9
1
1.1


n_p=256,r_{cutoff}=2.5,FCC structure
MD -> t_{eq}=5000,t_{run}=1000,Δt=.005
BD -> t_{eq}=100000,t_{ens}=10,t_{run}=50000,Δt=.001
MCD -> $MCstep_{eq}$=10000,$MCstep_{run}$=1000,Δt=.005
LOGSCALE
T_{adim}=0.75(MD)
T_{adim}=1.15(MD)
T_{adim}=1.35(MD)
T_{adim}=2.74(MD)
mean squared displacement (MSD)
density (ρ)
0.01
0.1
1
10
0.8
0.9
1
1.1