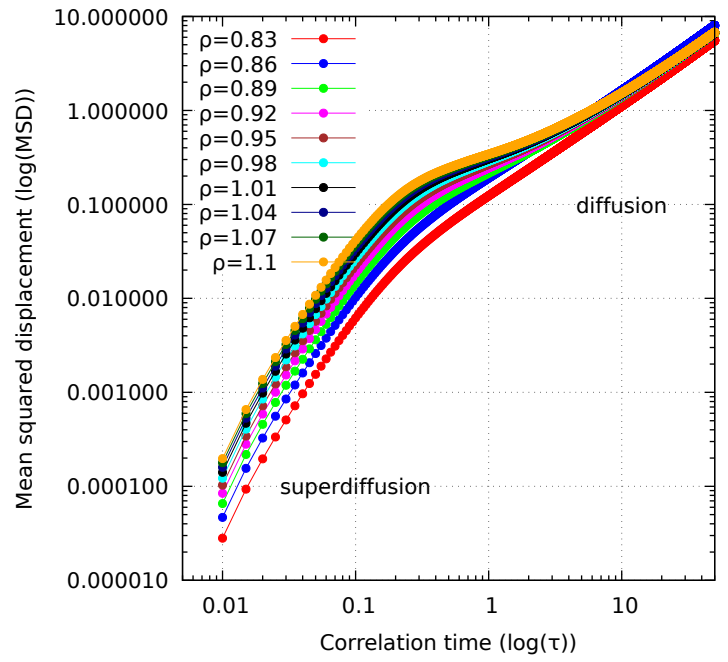
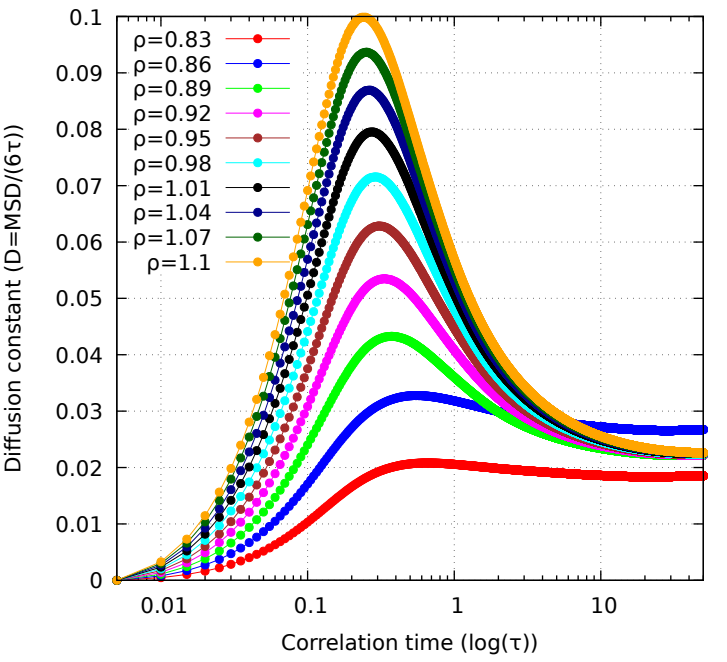
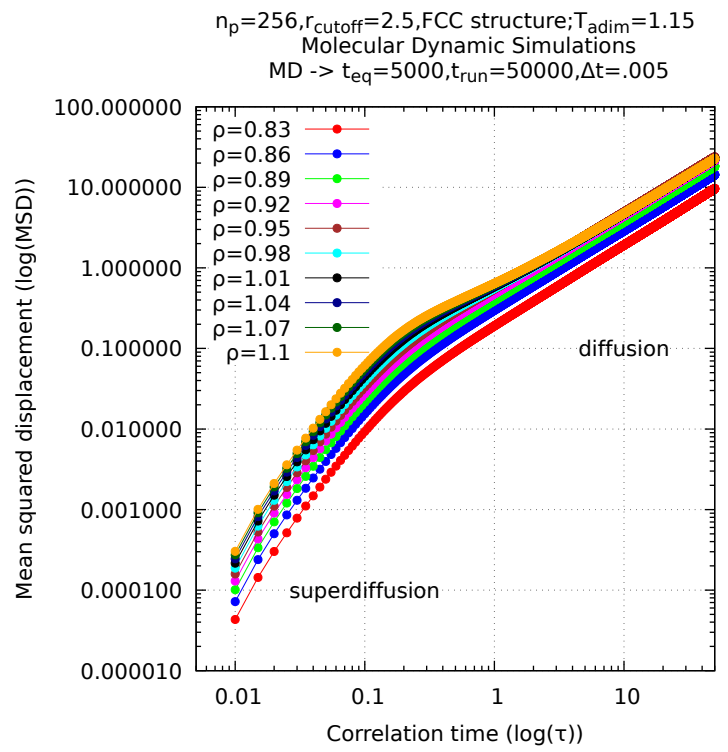
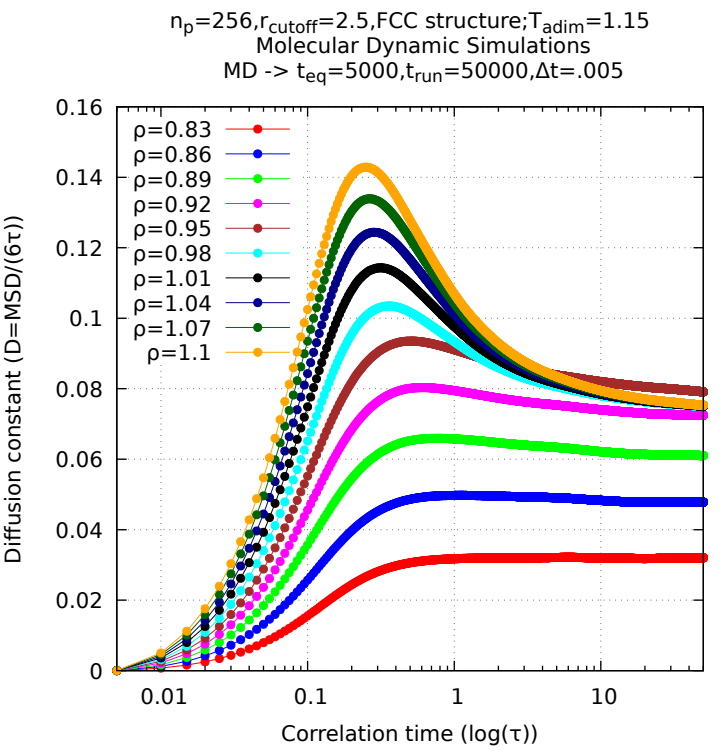
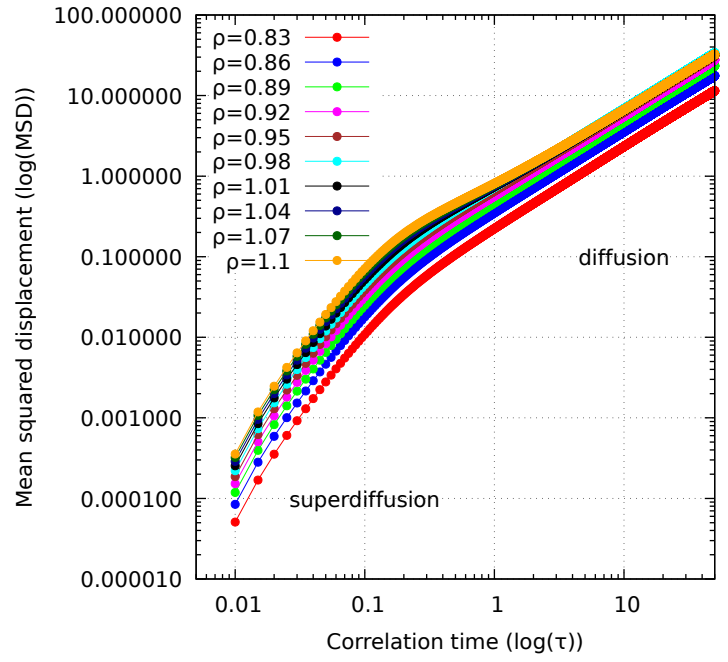
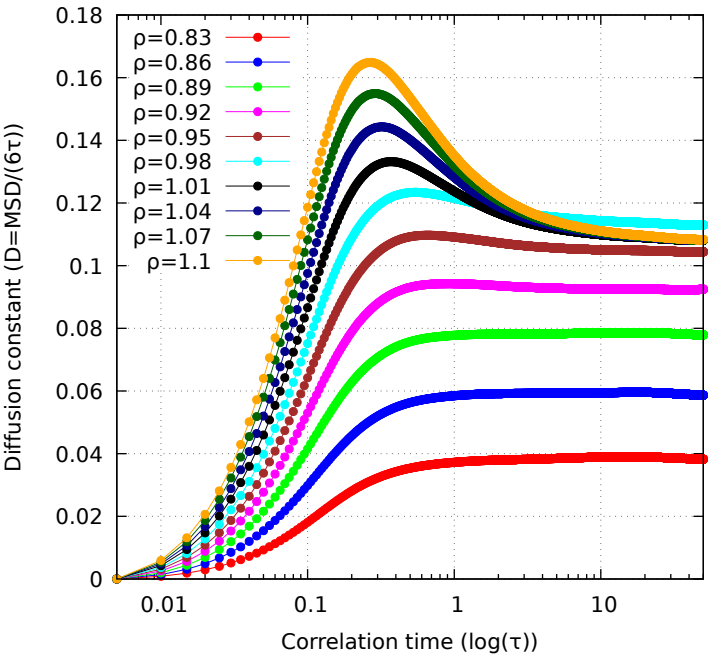

n_p=256,r_{cutoff}=2.5,FCC structure;T_{adim}=0.75
Molecular Dynamic Simulations
MD -> t_{eq}=5000,t_{run}=50000,Δt=.005
Mean squared displacement (log(MSD))
Correlation time (log(τ))
ρ=0.83
ρ=0.86
ρ=0.89
ρ=0.92
ρ=0.95
ρ=0.98
ρ=1.01
ρ=1.04
ρ=1.07
ρ=1.1
diffusion
superdiffusion
10.000000
1.000000
0.100000
0.010000
0.001000
0.000100
0.000010
0.01
0.1
1
10

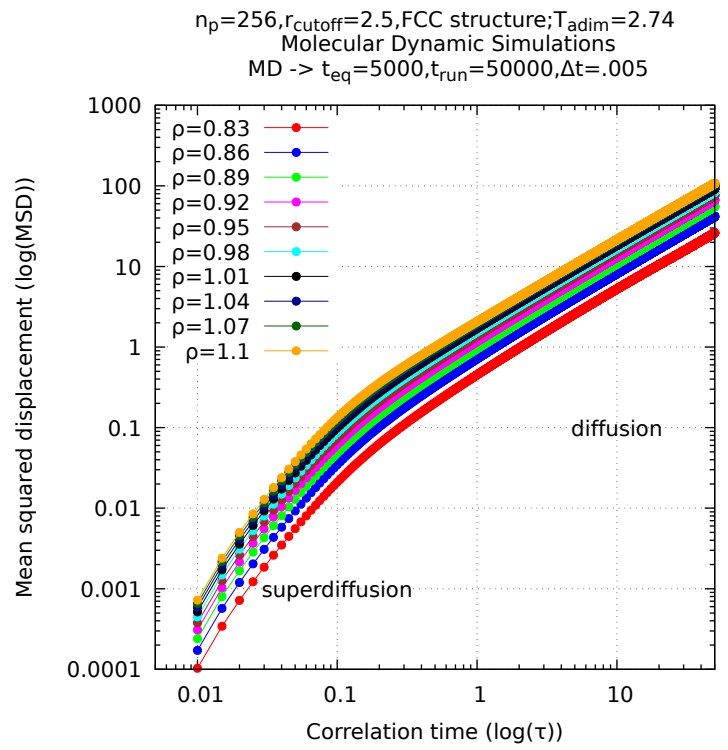

n_p=256,r_{cutoff}=2.5,FCC structure;T_{adim}=0.75
Molecular Dynamic Simulations
MD -> t_{eq}=5000,t_{run}=50000,Δt=.005
Diffusion constant (D=MSD/(6τ))
Correlation time (log(τ))
ρ=0.83
ρ=0.86
ρ=0.89
ρ=0.92
ρ=0.95
ρ=0.98
ρ=1.01
ρ=1.04
ρ=1.07
ρ=1.1
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0.01
0.1
1
10

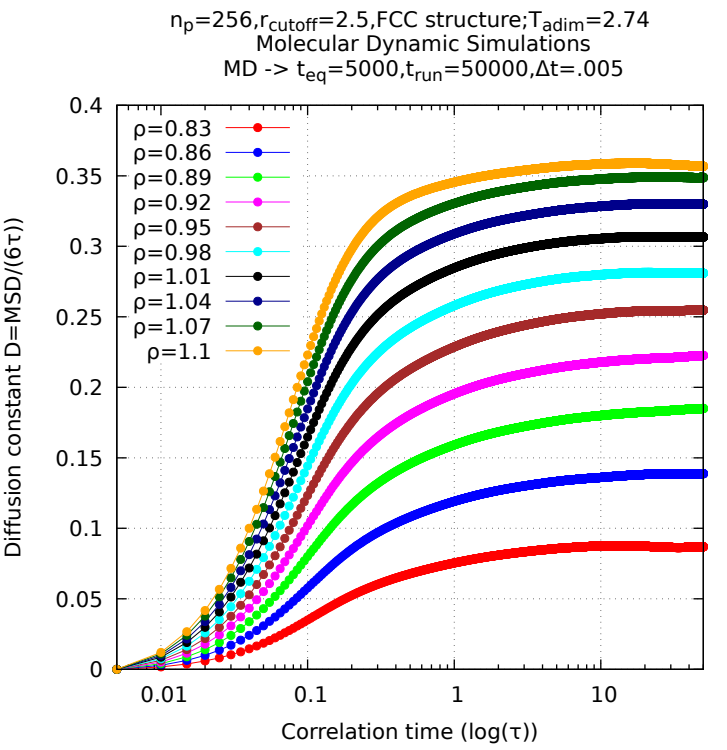

n_p=256,r_{cutoff}=2.5,FCC structure;T_{adim}=1.15
Molecular Dynamic Simulations
MD -> t_{eq}=5000,t_{run}=50000,Δt=.005
Mean squared displacement (log(MSD))
Correlation time (log(τ))
ρ=0.83
ρ=0.86
ρ=0.89
ρ=0.92
ρ=0.95
ρ=0.98
ρ=1.01
ρ=1.04
ρ=1.07
ρ=1.1
diffusion
superdiffusion
100.000000
10.000000
1.000000
0.100000
0.010000
0.001000
0.000100
0.000010
0.01
0.1
1
10


n_p=256,r_{cutoff}=2.5,FCC structure;T_{adim}=1.15
Molecular Dynamic Simulations
MD -> t_{eq}=5000,t_{run}=50000,Δt=.005
Diffusion constant (D=MSD/(6τ))
Correlation time (log(τ))
ρ=0.83
ρ=0.86
ρ=0.89
ρ=0.92
ρ=0.95
ρ=0.98
ρ=1.01
ρ=1.04
ρ=1.07
ρ=1.1
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0.01
0.1
1
10


n_p=256,r_{cutoff}=2.5,FCC structure;T_{adim}=1.35
Molecular Dynamic Simulations
MD -> t_{eq}=5000,t_{run}=50000,Δt=.005
Mean squared displacement (log(MSD))
Correlation time (log(τ))
ρ=0.83
ρ=0.86
ρ=0.89
ρ=0.92
ρ=0.95
ρ=0.98
ρ=1.01
ρ=1.04
ρ=1.07
ρ=1.1
diffusion
superdiffusion
100.000000
10.000000
1.000000
0.100000
0.010000
0.001000
0.000100
0.000010
0.01
0.1
1
10


n_p=256,r_{cutoff}=2.5,FCC structure;T_{adim}=1.35
Molecular Dynamic Simulations
MD -> t_{eq}=5000,t_{run}=50000,Δt=.005
Diffusion constant (D=MSD/(6τ))
Correlation time (log(τ))
ρ=0.83
ρ=0.86
ρ=0.89
ρ=0.92
ρ=0.95
ρ=0.98
ρ=1.01
ρ=1.04
ρ=1.07
ρ=1.1
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0.01
0.1
1
10


n_p=256,r_{cutoff}=2.5,FCC structure;T_{adim}=2.74
Molecular Dynamic Simulations
MD -> t_{eq}=5000,t_{run}=50000,Δt=.005
Mean squared displacement (log(MSD))
Correlation time (log(τ))
ρ=0.83
ρ=0.86
ρ=0.89
ρ=0.92
ρ=0.95
ρ=0.98
ρ=1.01
ρ=1.04
ρ=1.07
ρ=1.1
diffusion
superdiffusion
1000
100
10
1
0.1
0.01
0.001
0.0001
0.01
0.1
1
10


n_p=256,r_{cutoff}=2.5,FCC structure;T_{adim}=2.74
Molecular Dynamic Simulations
MD -> t_{eq}=5000,t_{run}=50000,Δt=.005
Diffusion constant D=MSD/(6τ))
Correlation time (log(τ))
ρ=0.83
ρ=0.86
ρ=0.89
ρ=0.92
ρ=0.95
ρ=0.98
ρ=1.01
ρ=1.04
ρ=1.07
ρ=1.1
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0.01
0.1
1
10