Symbol	Definition	Value
1. Constants		
k	Boltzmann's constant	1.3806×10^{-23} J/(molec·K)
N_0	Avagadro's number	6.022×10^{23}
2. Simulation Variables		
N	Number of molecules	$\sim 10^{3}$
V	Simulation cell volume	$\sim 10^{-24}$ m^3
m	Molecular mass	$\sim 10^{-25}$ kg/molec
ρ	Number density	$\sim 10^{27}$ molec/m^3
E	Energy (total)	$\sim 10^{-20}$ J/molec
t	time	$\sim 10^{-12}$ s
3. Model Variables		
σ	Size variable	$\sim 5\times10^{-10}$ m
ϵ	Energy variable	$\sim 10^{-21}$ J/molec
r_b	Bond distance	$\sim 10^{-10}$ m
k_v	Vibrational spring constant	$\sim 10^{3}$ J/m^2