Molecular Dynamics Simulation Report

Optimized Lattice Parameter: 5.2823e-10 m

Melting Point: 170 K

Boiling Point: 195 K

Total Runtime: 33.13 seconds

Best Verlet Algorithm: Standard Verlet (Adaptive)

Best Time Step: 1.00e-14 s

Reason: Lowest average potential energy (-1.32e-20 J) and minimal energy drift (6.29e-25 J) during preliminary simulation.