Molecular Dynamics Simulation Report

Optimized Lattice Parameter: 5.2823e-10 m

Melting Point: 110 K Boiling Point: 175 K

Total Runtime: 608.46 seconds

Best Verlet Algorithm: Velocity-Verlet (Adaptive)

Best Time Step: 1.00e-15 s

Reason: Lowest average potential energy (-1.29e-20 J) and minimal energy drift

(4.68e-23 J) during preliminary simulation.

