Molecular Dynamics Simulation Report

Optimized Lattice Parameter: 5.2763e-10 m

Melting Point: 180 K

Boiling Point: 190 K

Total Runtime: 841.42 seconds

Best Verlet Algorithm: Standard Verlet (Adaptive)

Best Time Step: 1.00e-16 s

Reason: Lowest average potential energy (-1.30e-20 J) and minimal energy drift (3.62e-23 J) during preliminary simulation.