

Figure 1: Gold Cluster Simulation with 147 Atoms

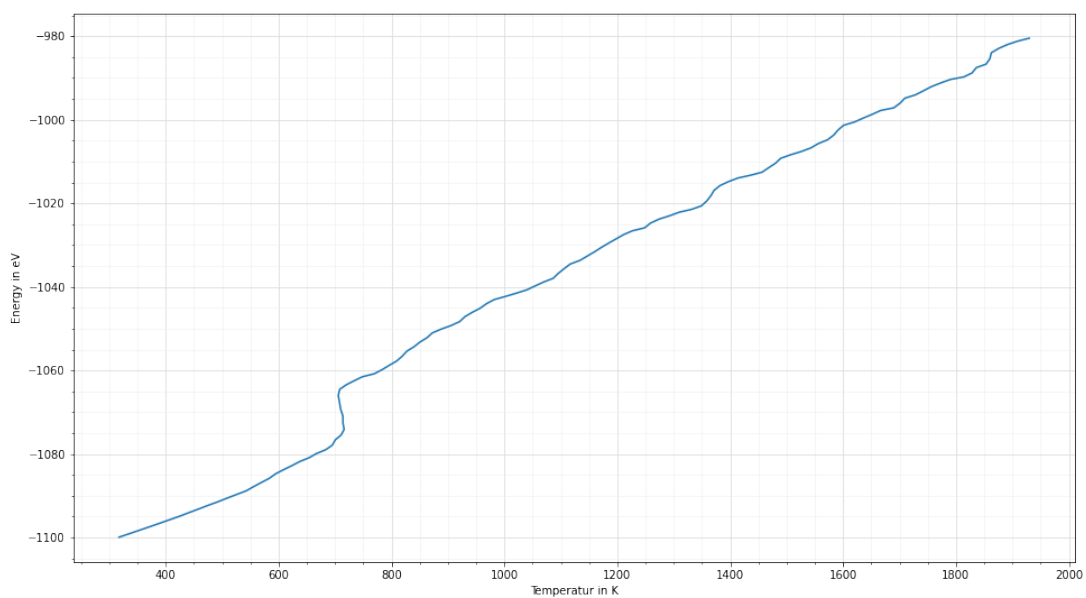


Figure 2: Gold Cluster Simulation with 309 Atoms

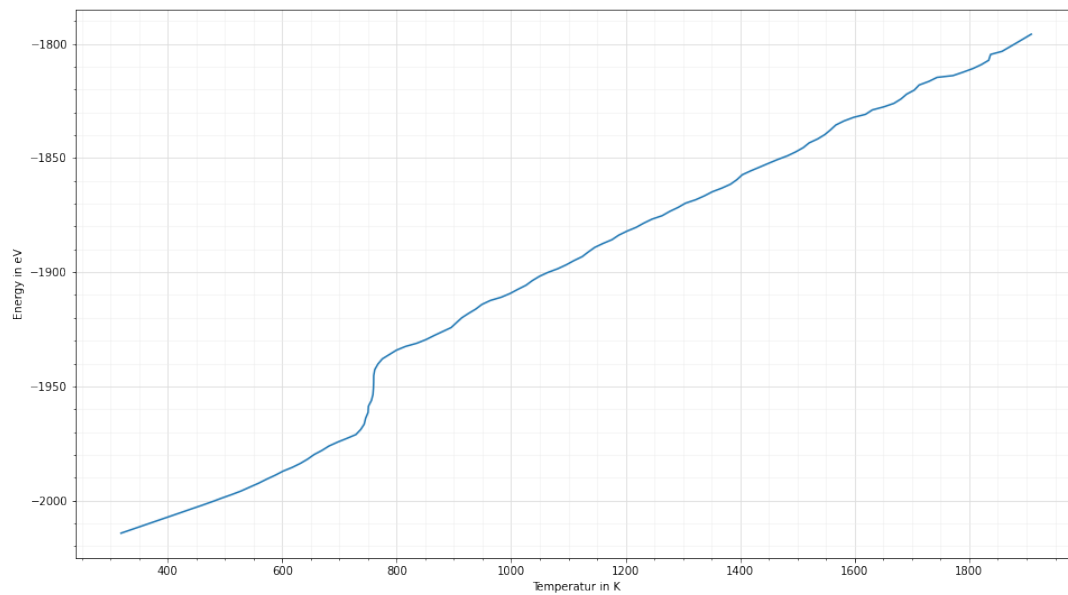


Figure 3: Gold Cluster Simulation with 561 Atoms

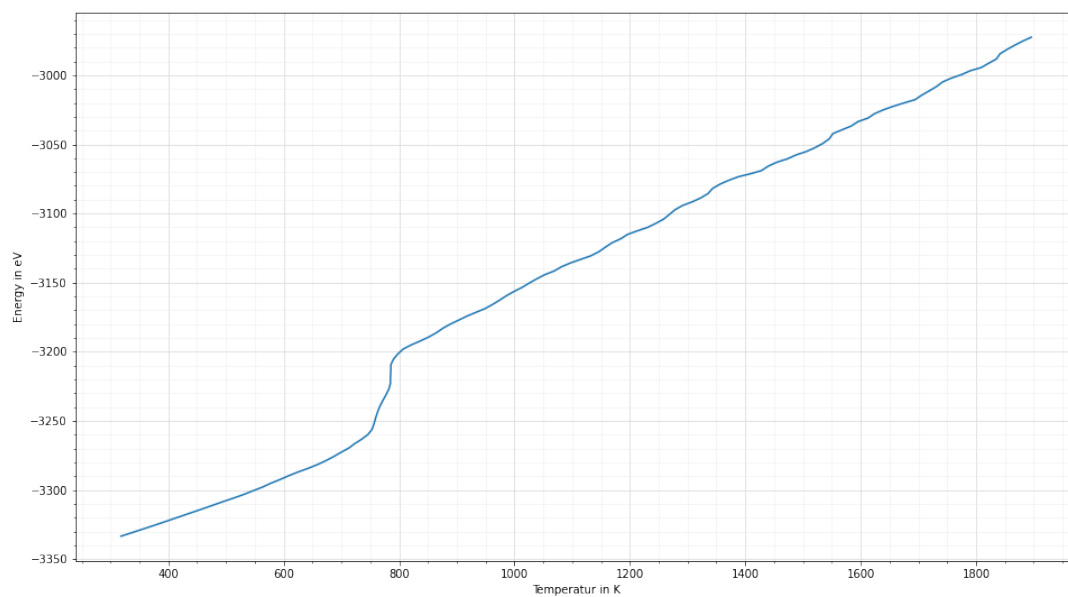


Figure 4: Gold Cluster Simulation with 923 Atoms

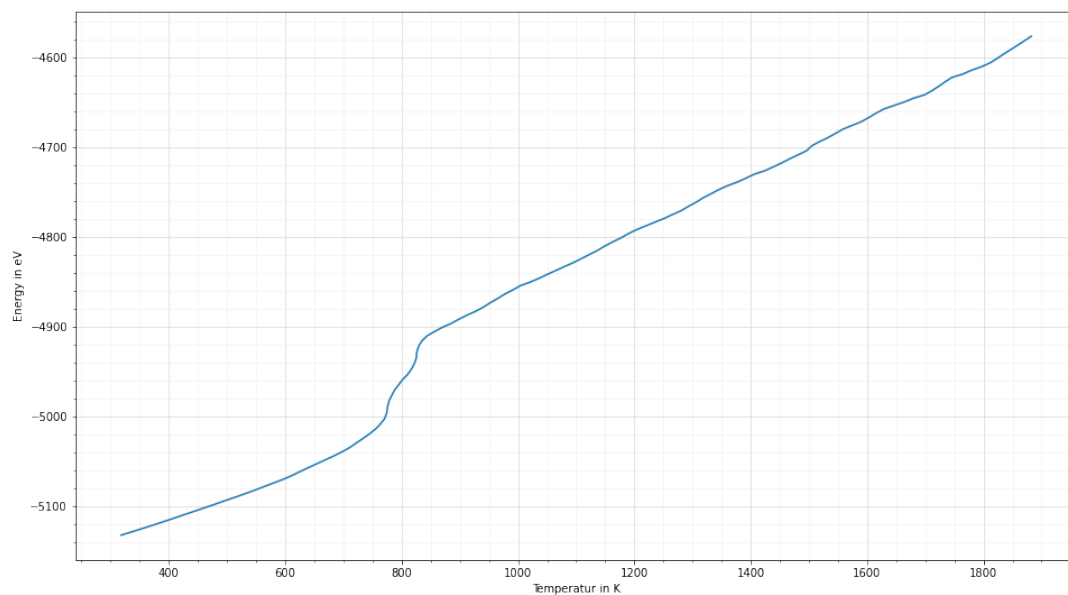


Figure 5: Gold Cluster Simulation with 1415 Atoms

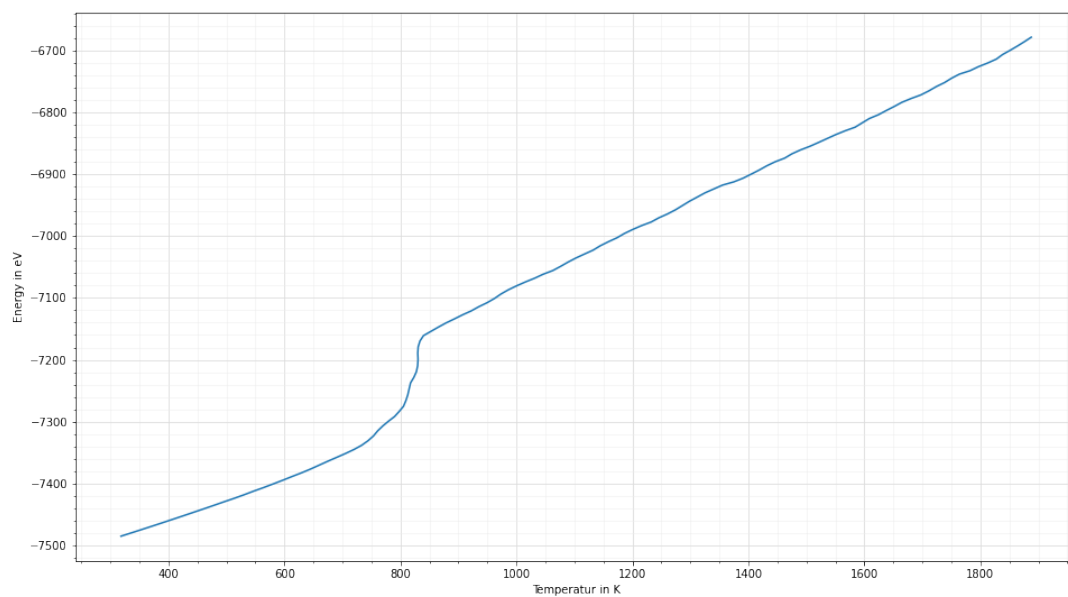


Figure 6: Gold Cluster Simulation with 2057 Atoms

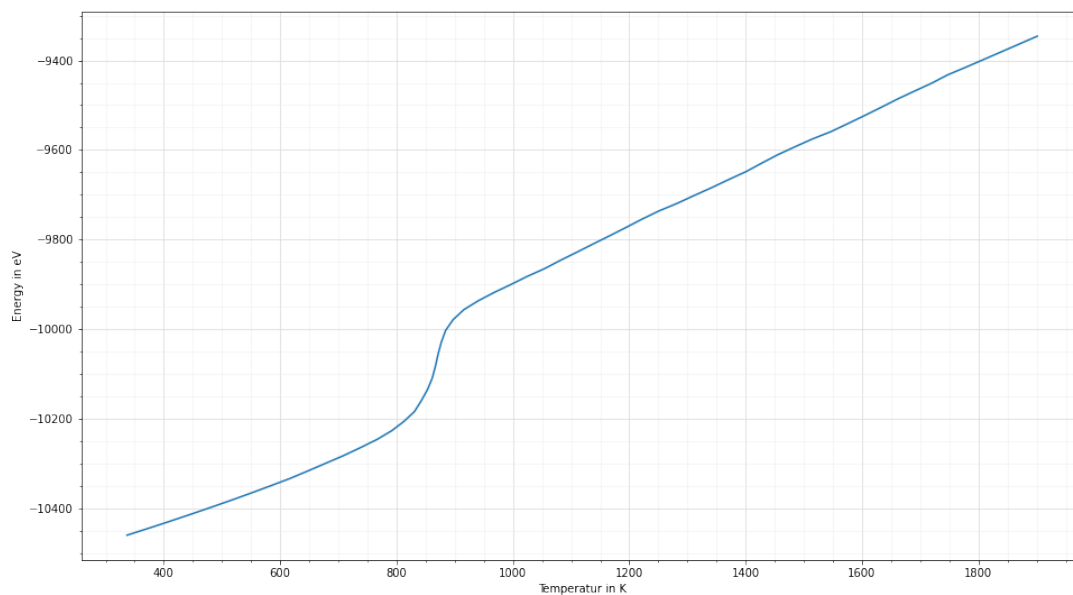


Figure 7: Gold Cluster Simulation with 2869 Atoms

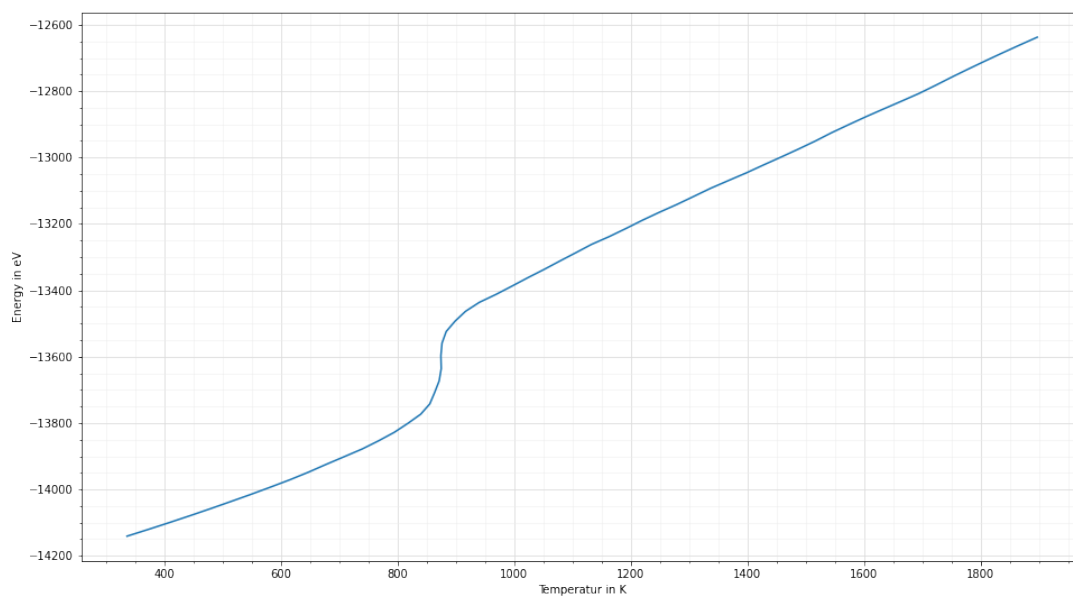


Figure 8: Gold Cluster Simulation with 3871 Atoms

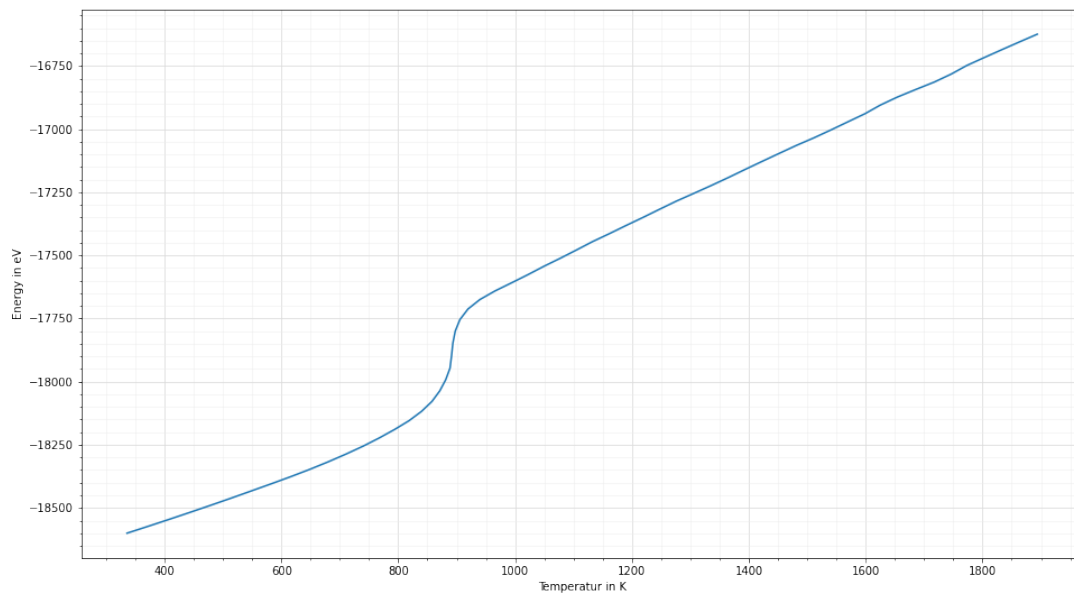


Figure 9: Gold Cluster Simulation with 5083 Atoms

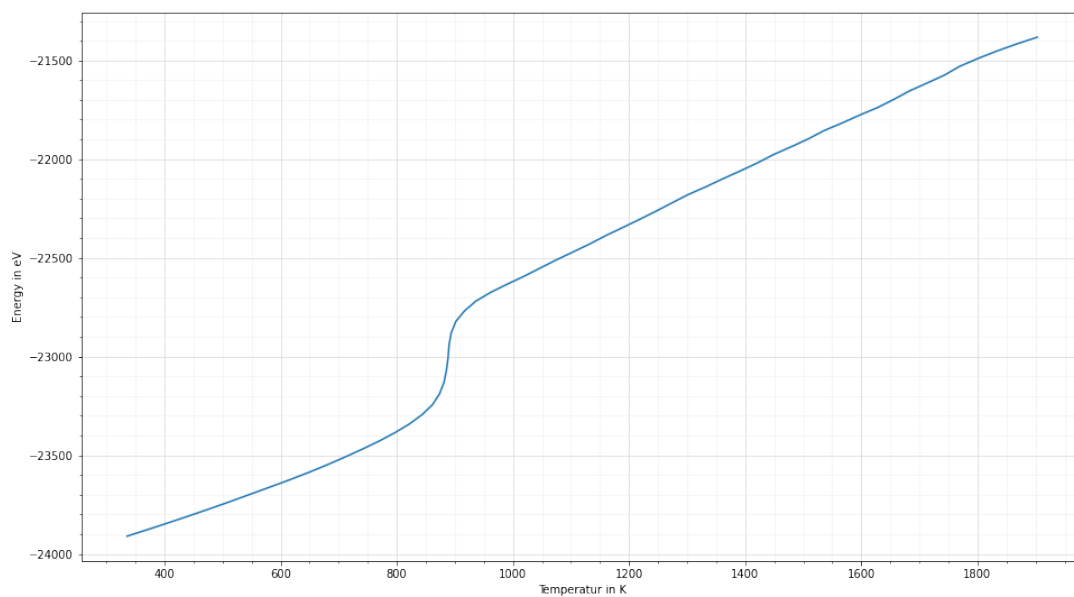


Figure 10: Gold Cluster Simulation with 6525 Atoms

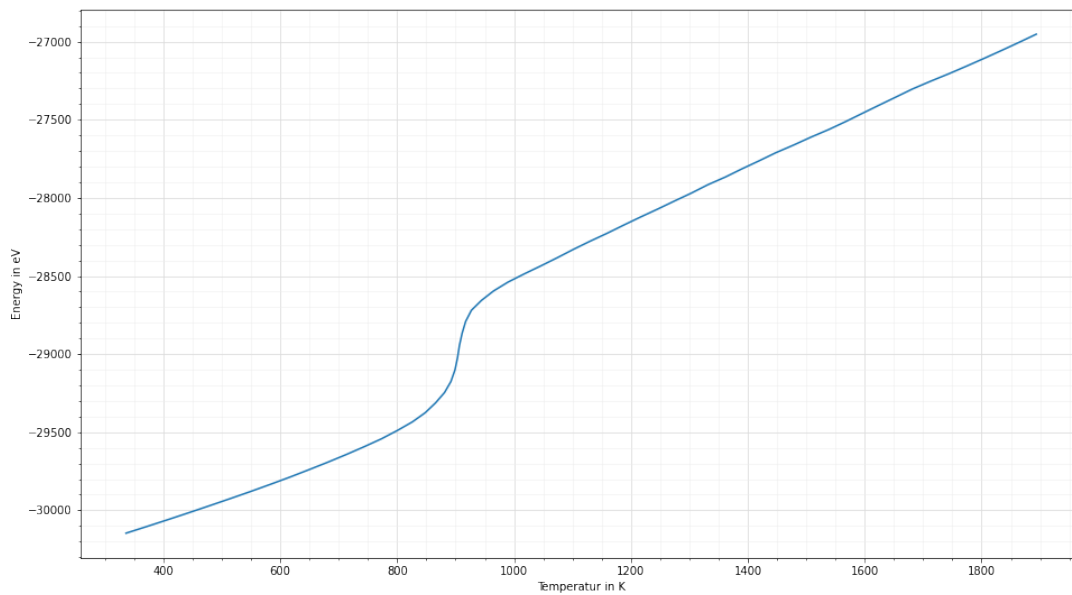


Figure 11: Gold Cluster Simulation with 8217 Atoms

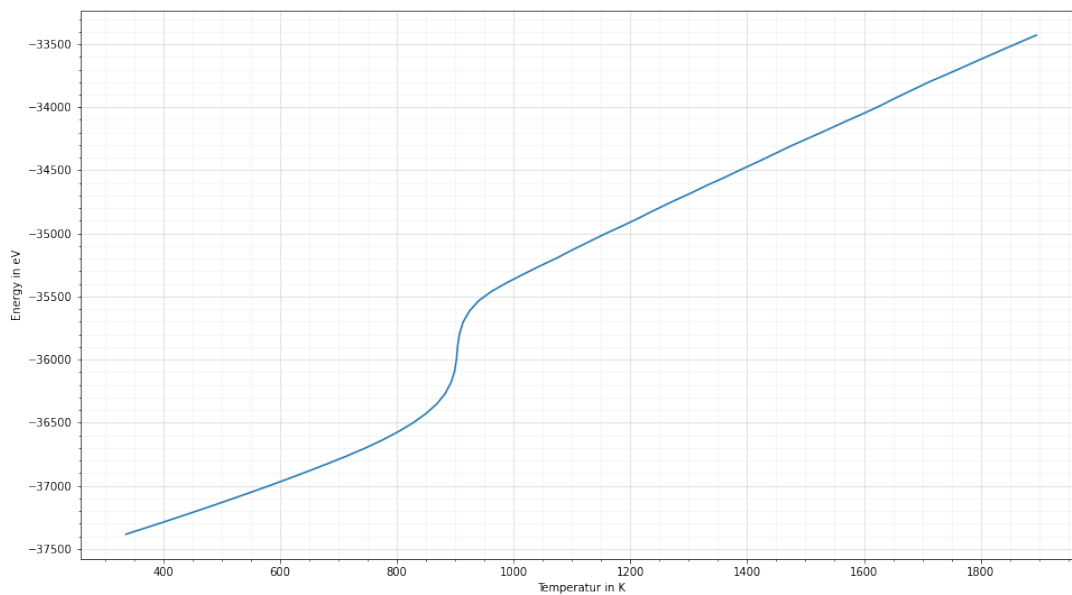


Figure 12: Gold Cluster Simulation with 10179 Atoms

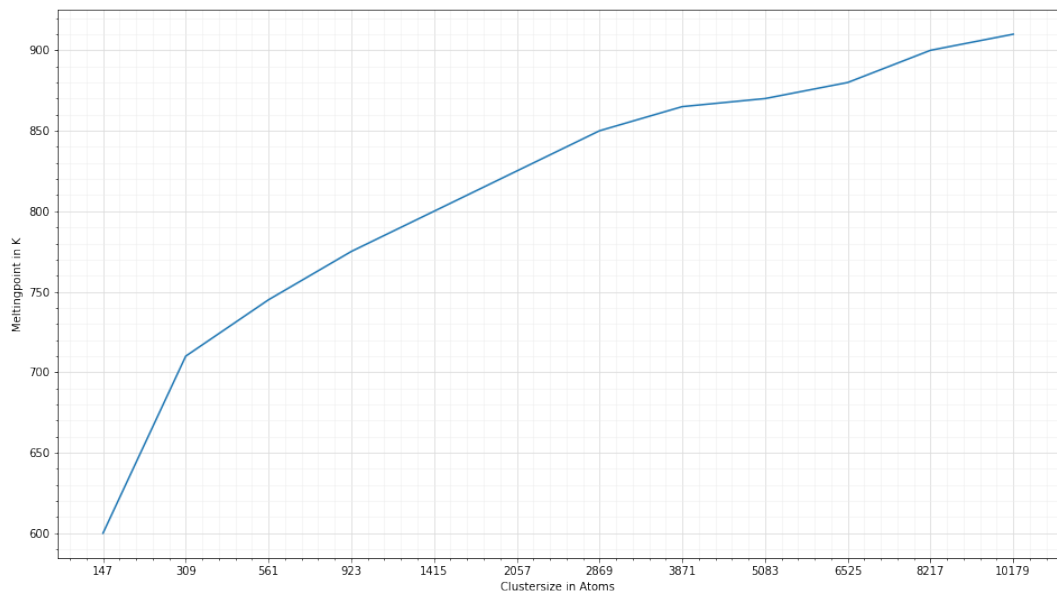


Figure 13: The size of the Cluster vs it's melting point

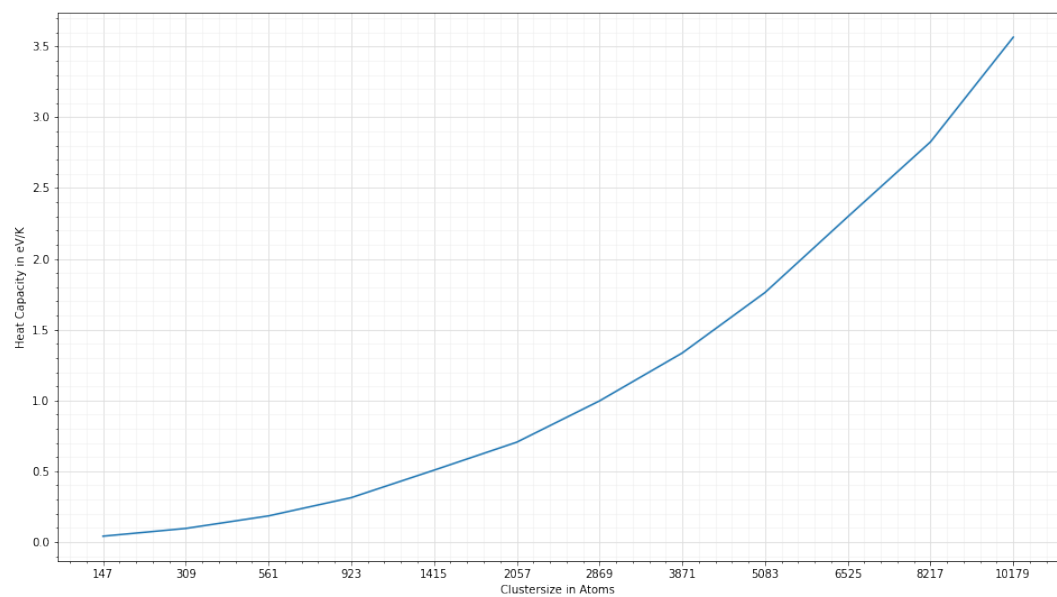


Figure 14: The size of the Cluster vs the heat capacity

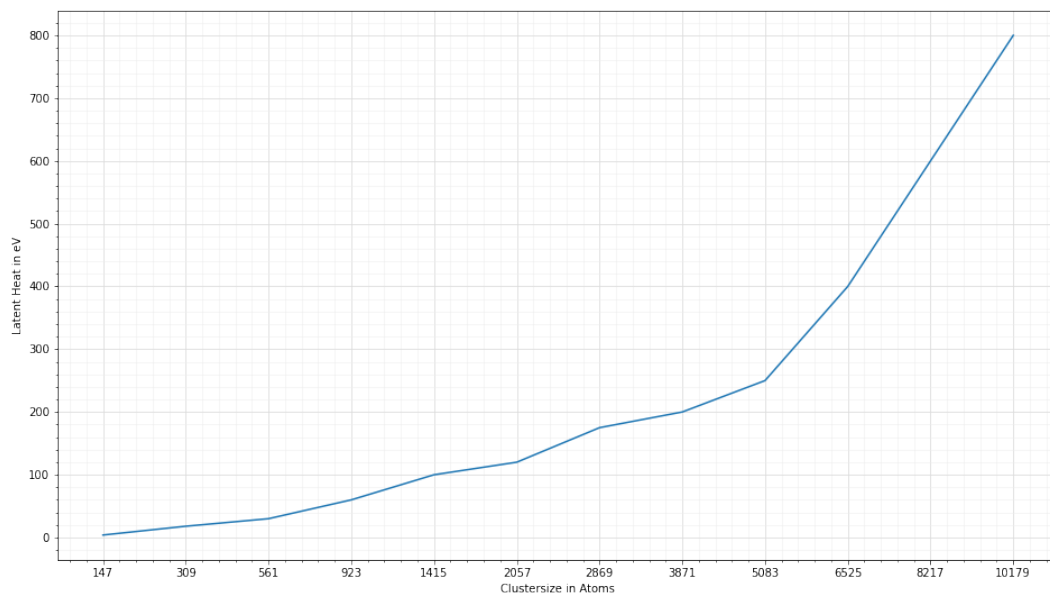


Figure 15: The size of the Cluster vs Latent Heat