Molecular Dynamics with C++ Final Report

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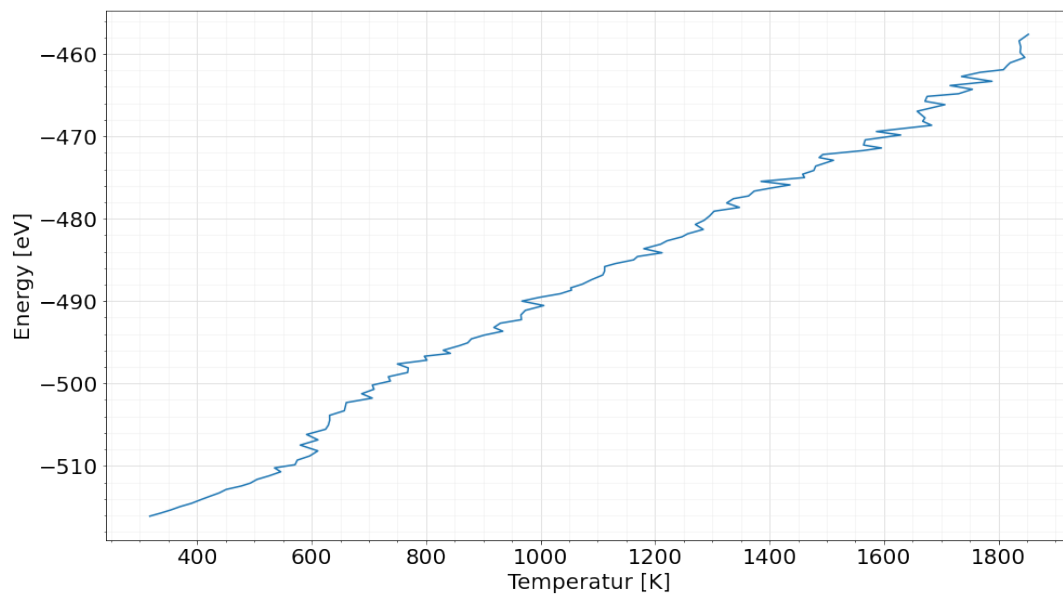
August 31, 2021

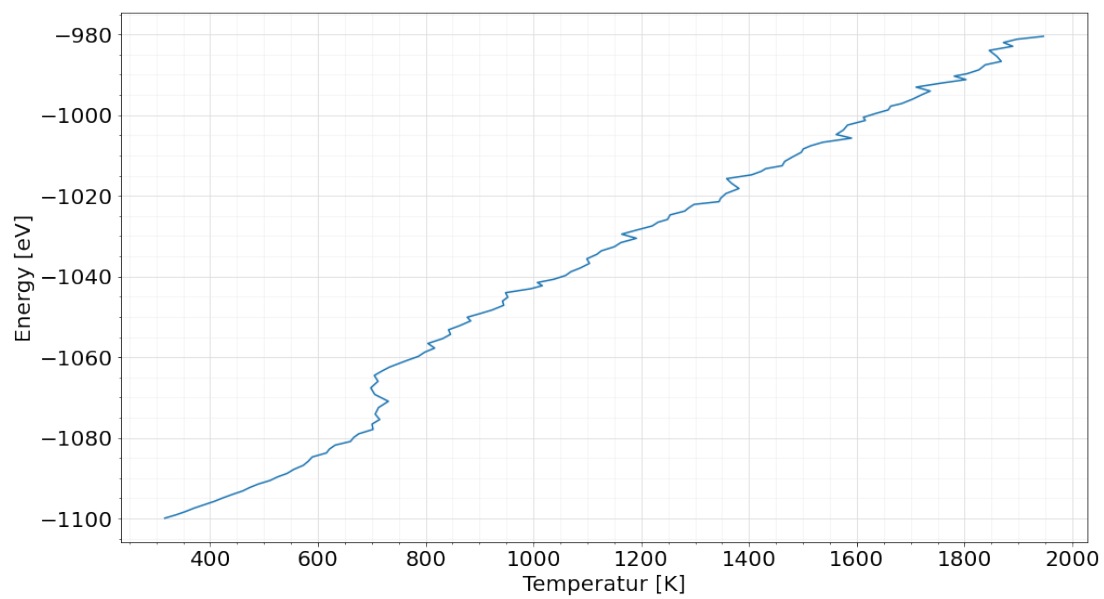Figure 1: Gold Cluster Simulation with 147 Atoms

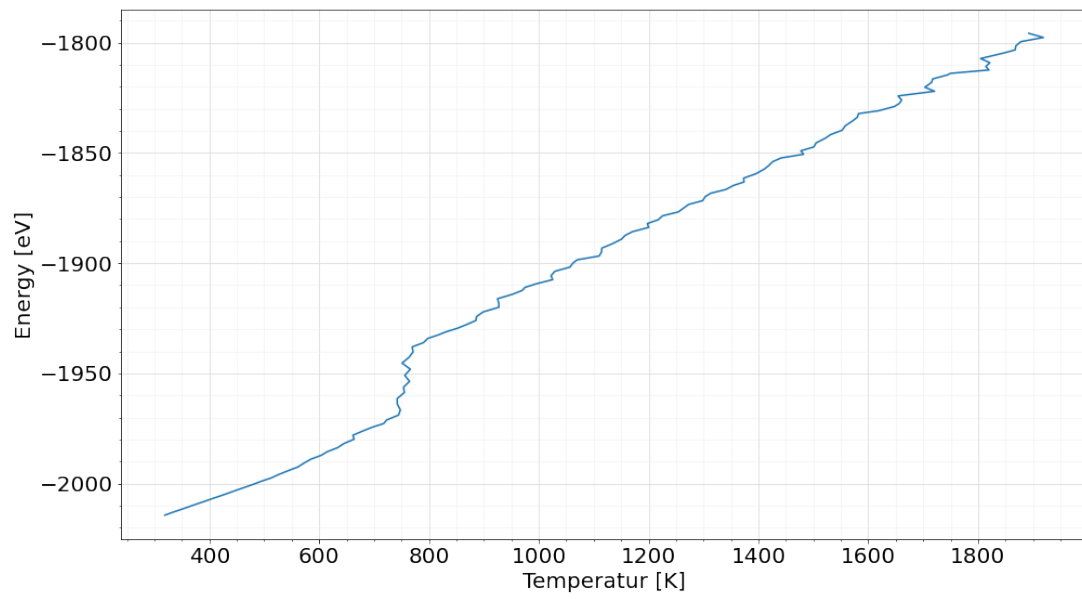Figure 2: Gold Cluster Simulation with 309 Atoms

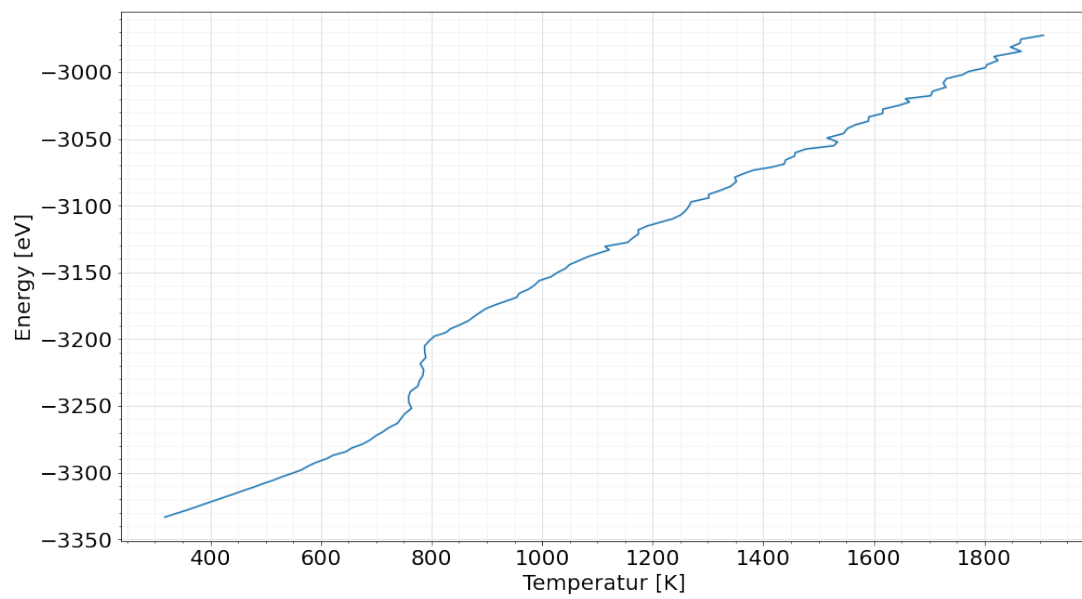Figure 3: Gold Cluster Simulation with 561 Atoms
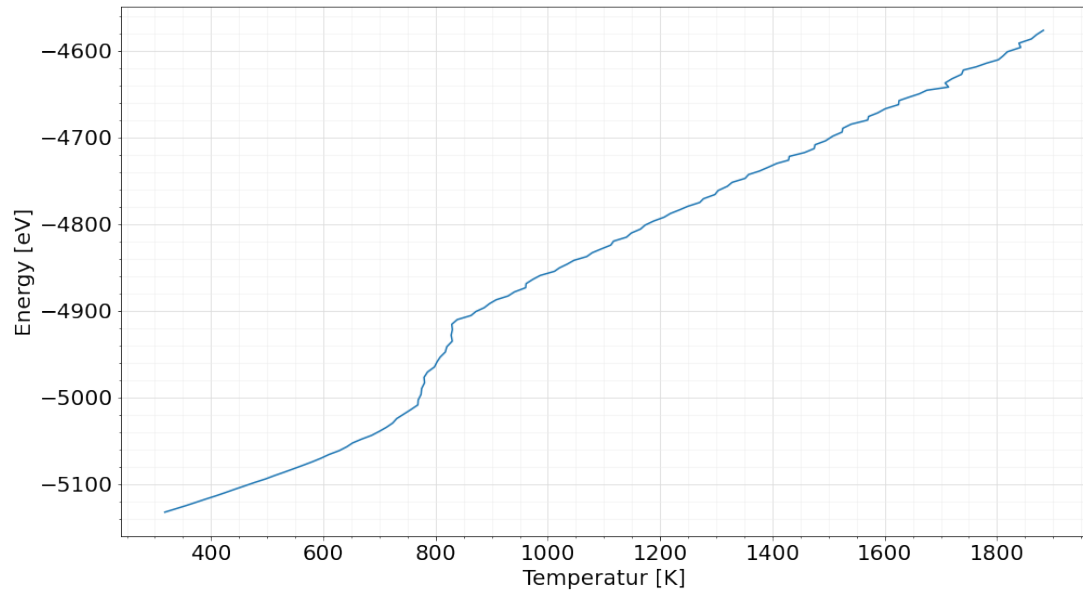

Figure 4: Gold Cluster Simulation with 923 Atoms

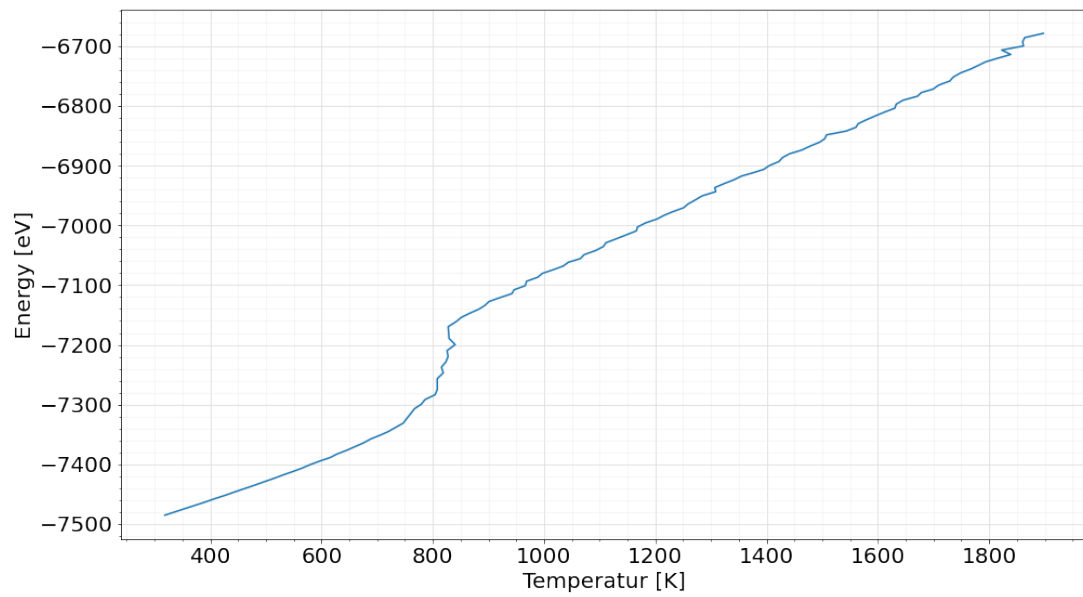Figure 5: Gold Cluster Simulation with 1415 Atoms
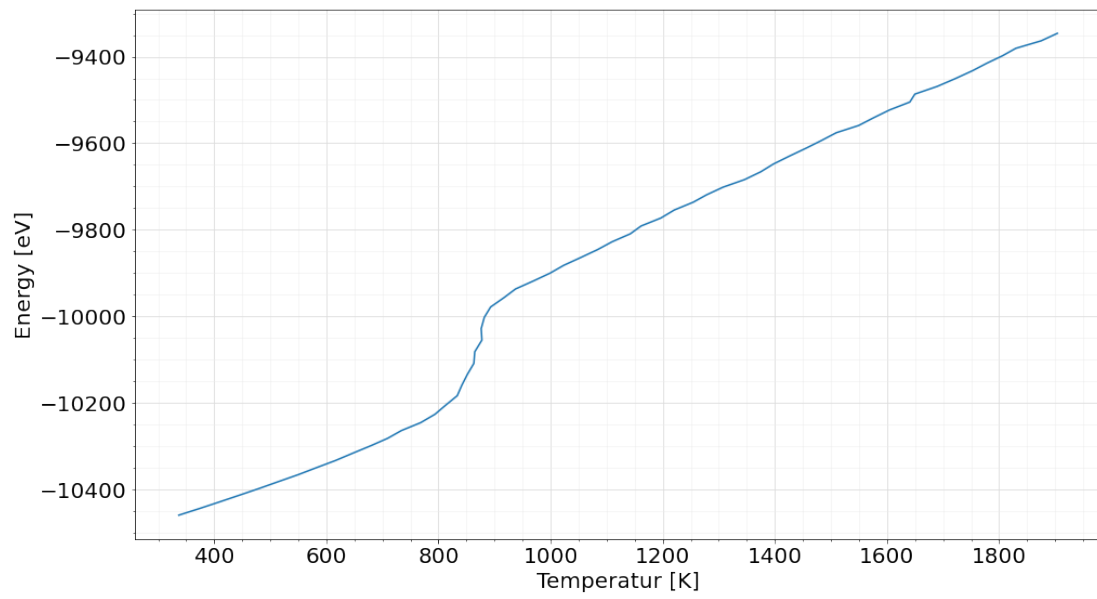

Figure 6: Gold Cluster Simulation with 2057 Atoms
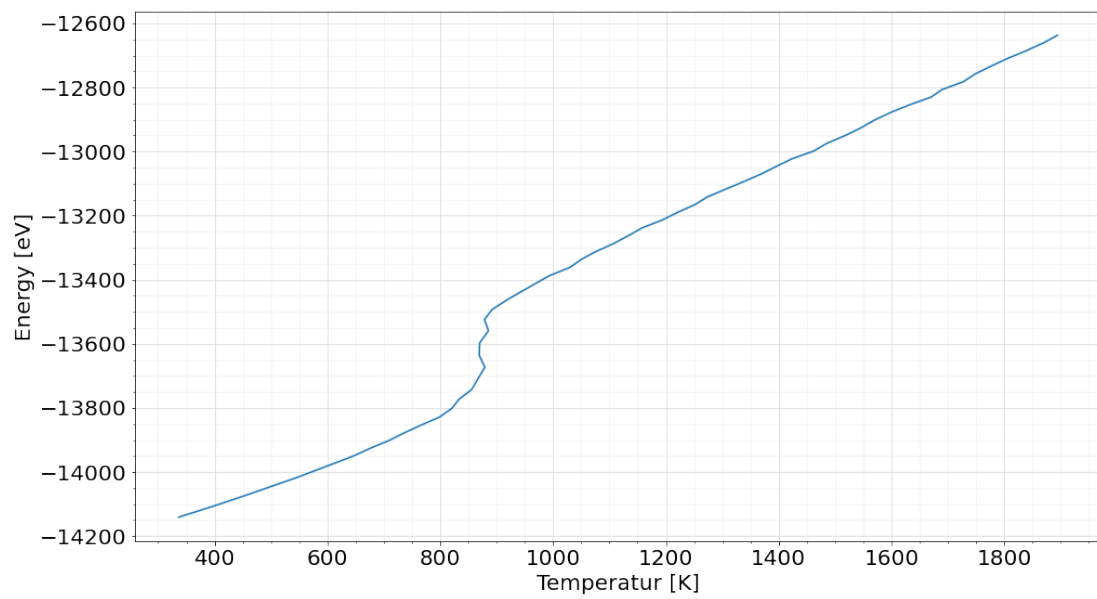
Figure 7: Gold Cluster Simulation with 2869 Atoms

Figure 8: Gold Cluster Simulation with 3871 Atoms
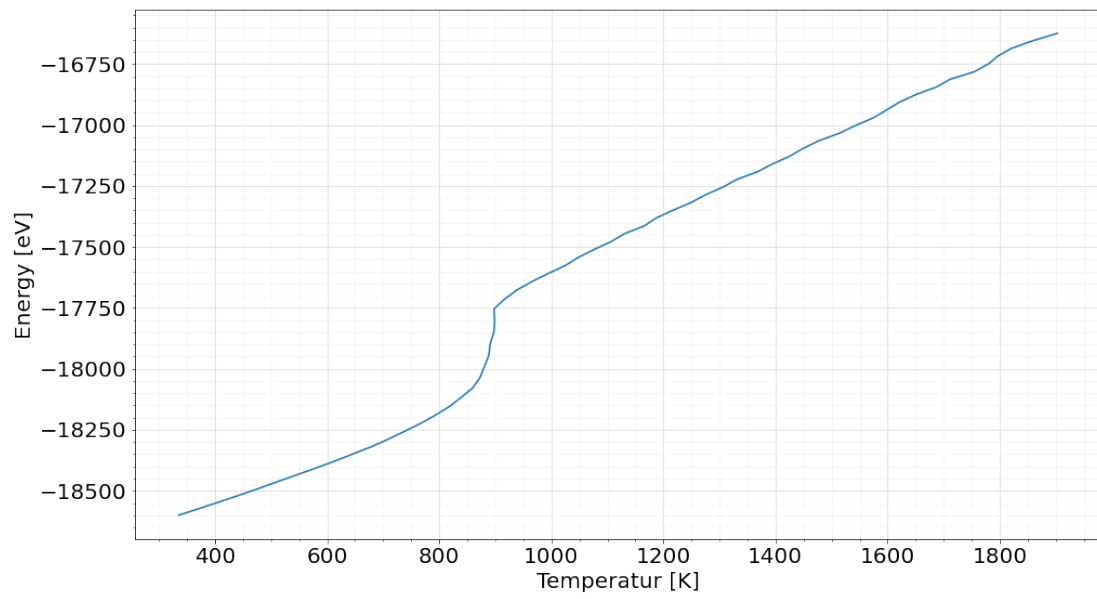
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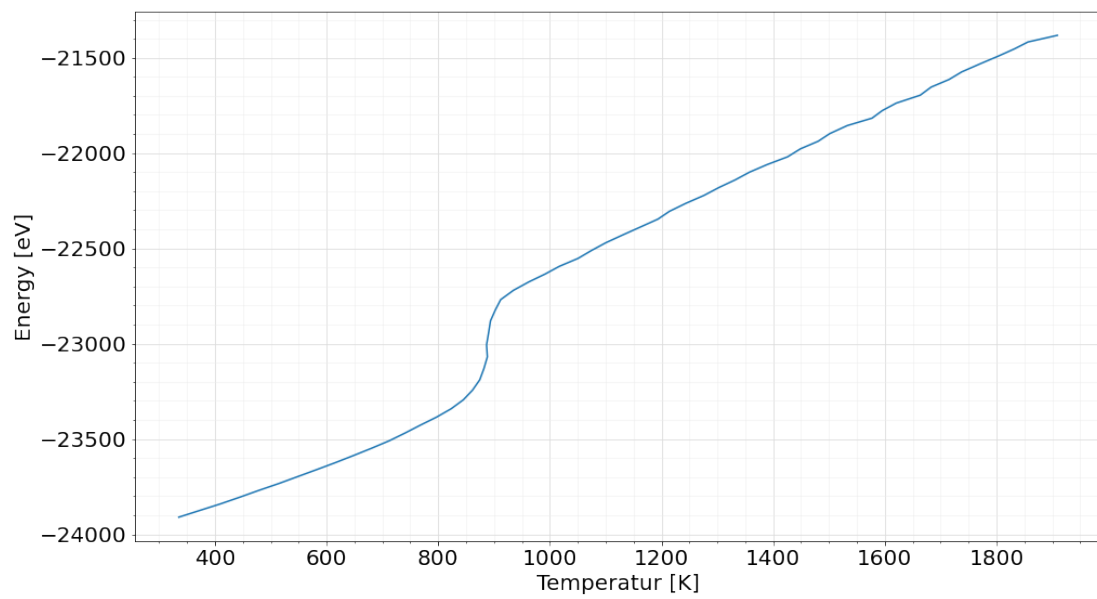Figure 9: Gold Cluster Simulation with 5083 Atoms

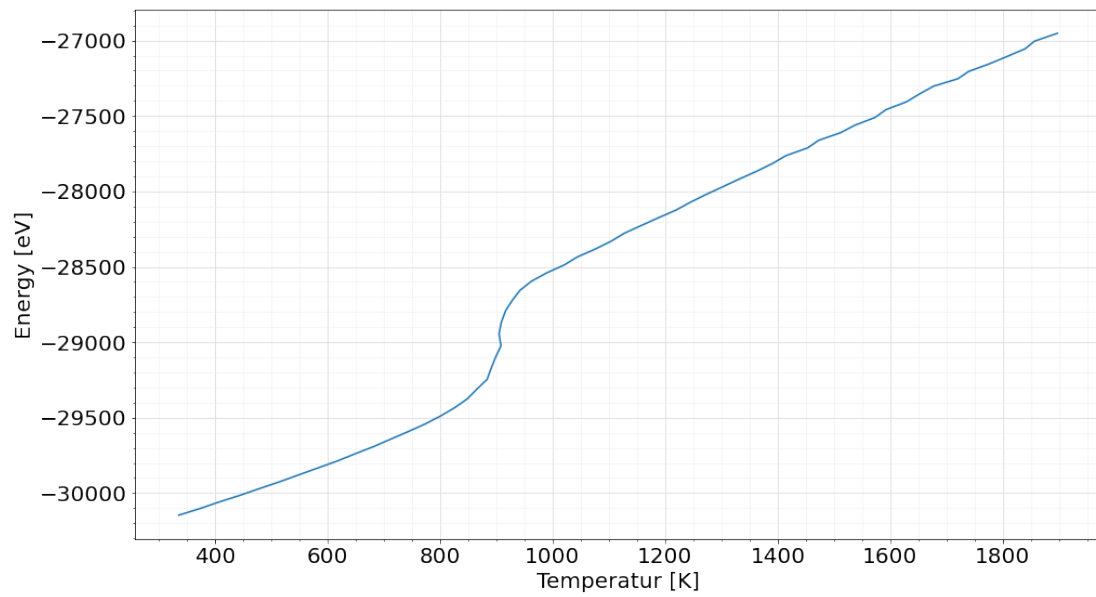Figure 10: Gold Cluster Simulation with 6525 Atoms

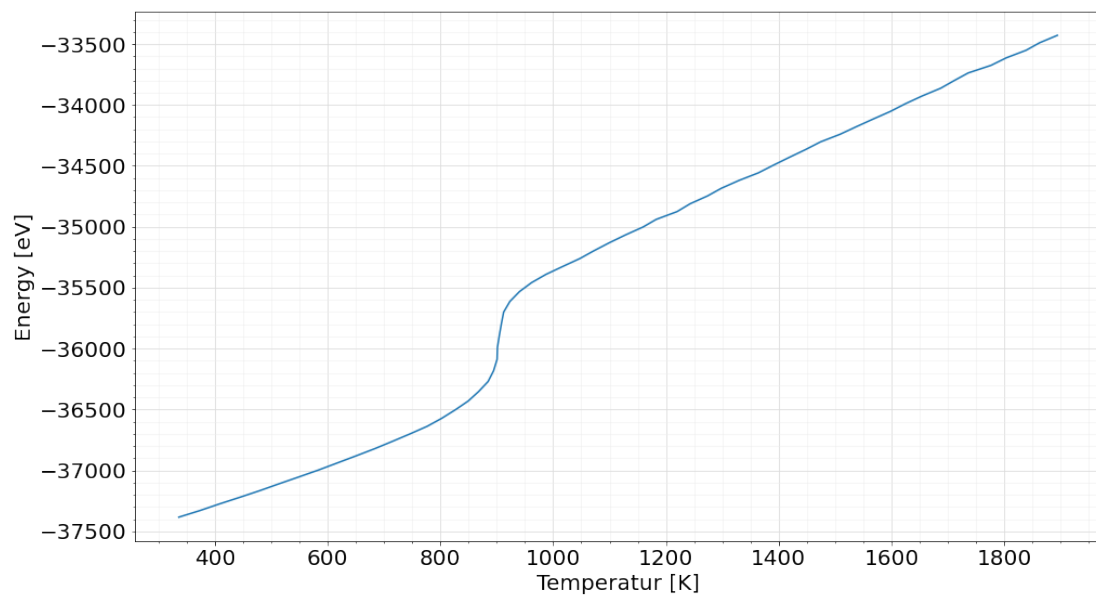Figure 11: Gold Cluster Simulation with 8217 Atoms

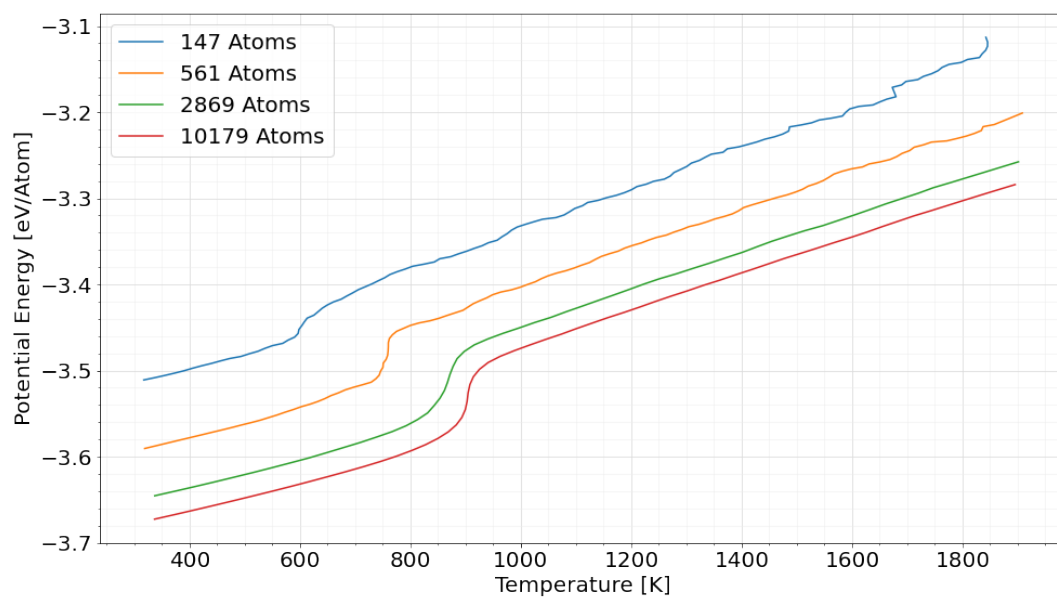Figure 12: Gold Cluster Simulation with 10179 Atoms

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Figure 13: Gold Cluster Simulation

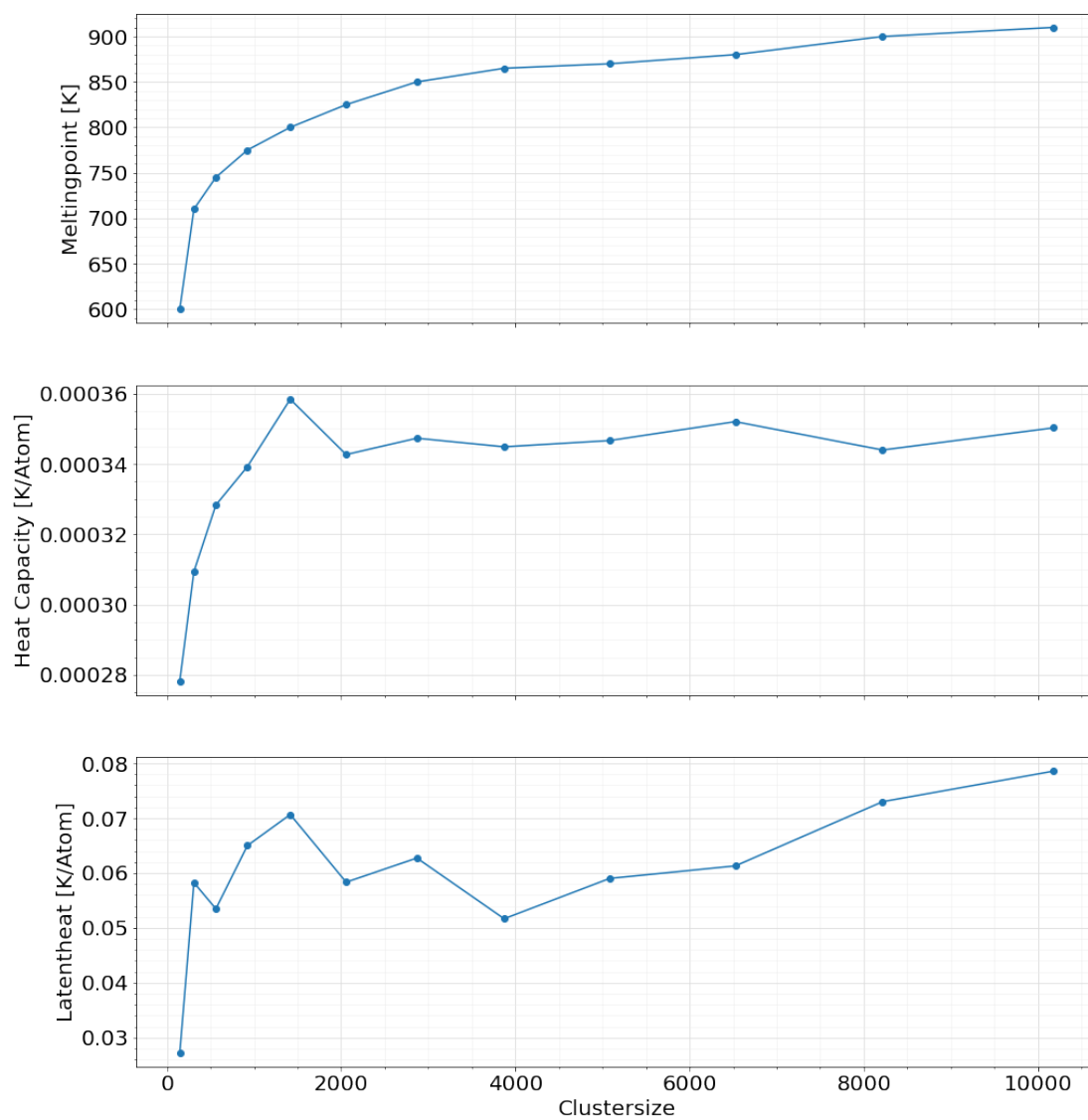Figure 14: Melting Point, Heat Capacity and Latent Heat vs Clustersize

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Bibliography

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