GSOC SU 2 Assignment - 3

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In this assignment, we have conducted a heat transfer analysis of a flat plate. A Python wrapper was used to modify the plate's temperature over time. The wall temp is varying by the below equation.

WallTemp = $293.0 + 300 \sin(2\pi \cdot \text{time})$

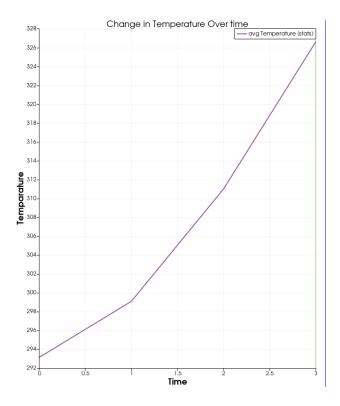


Figure 1: Change in Temperature over time

The y-axis ranges approximately from 292 to 328,

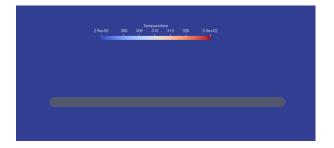


Figure 2: Temperature at t = 0

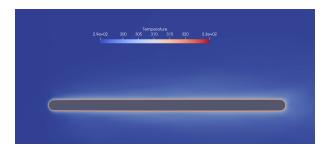


Figure 3: Temperature at t = 1

Figure 4: Temperature at t=2

Figure 5: Temperature at t = 3

The above images show gradual increase in temperature over time.