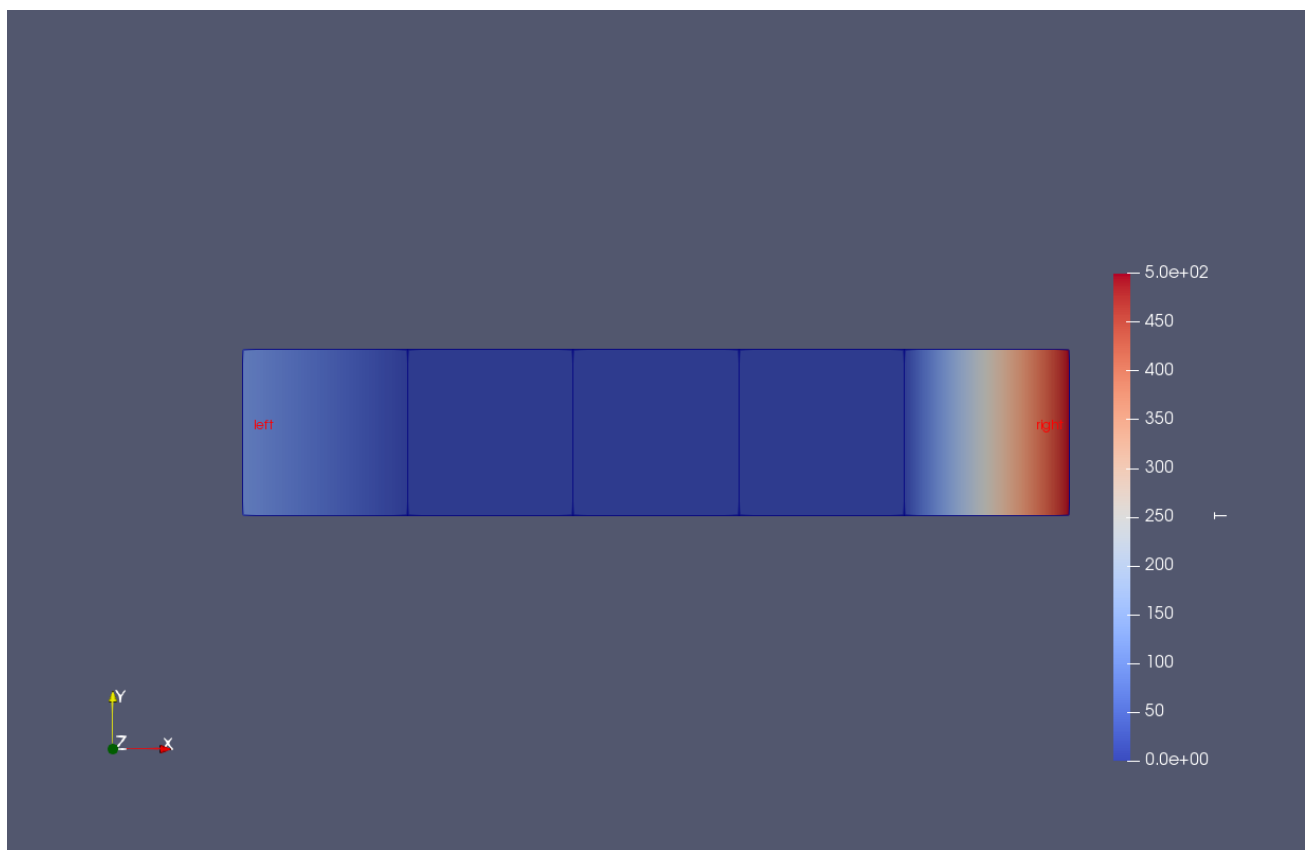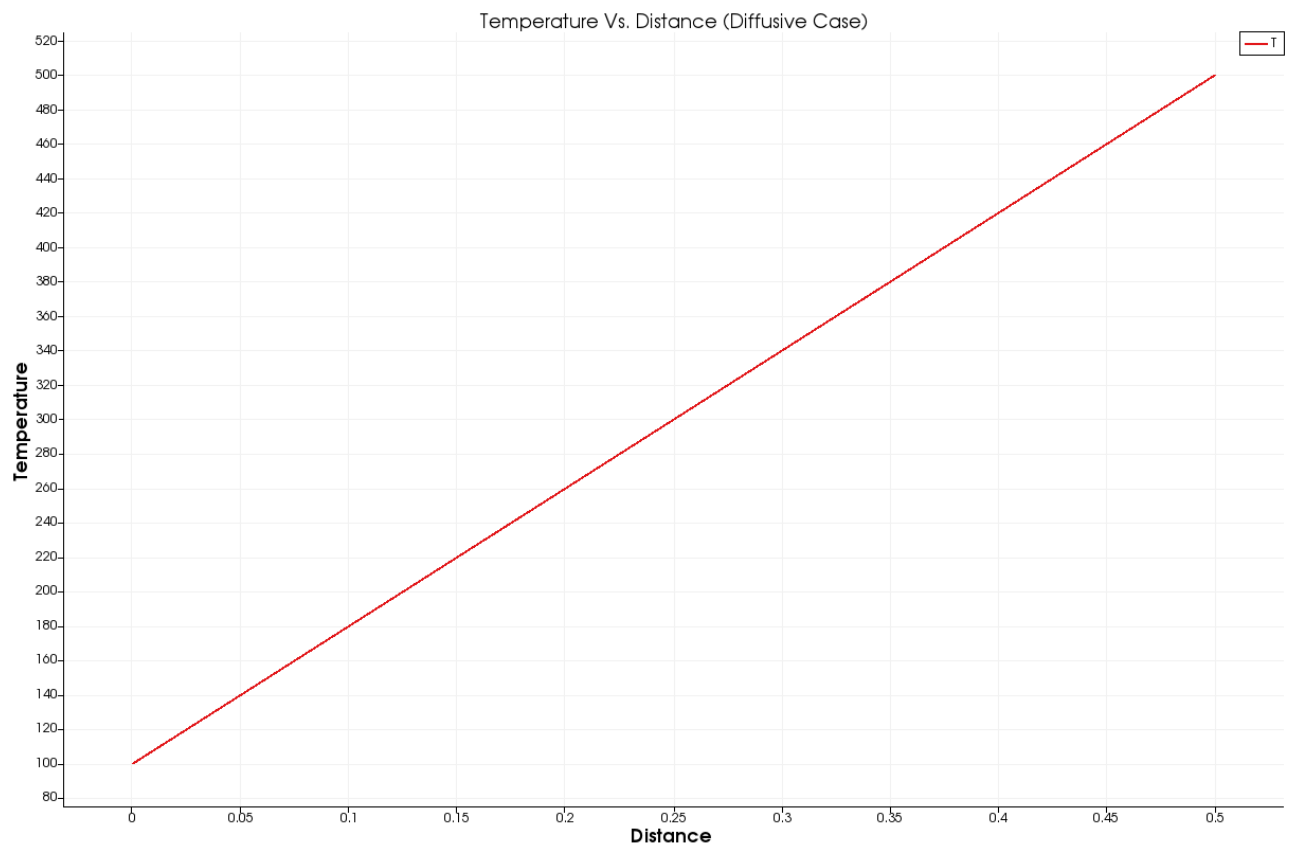# OpenFOAM_Cases-Diffusion

The below cases were simulated using oepnFOAM. The cases are only concerned with pure diffusion. Each example has a seperate solver.
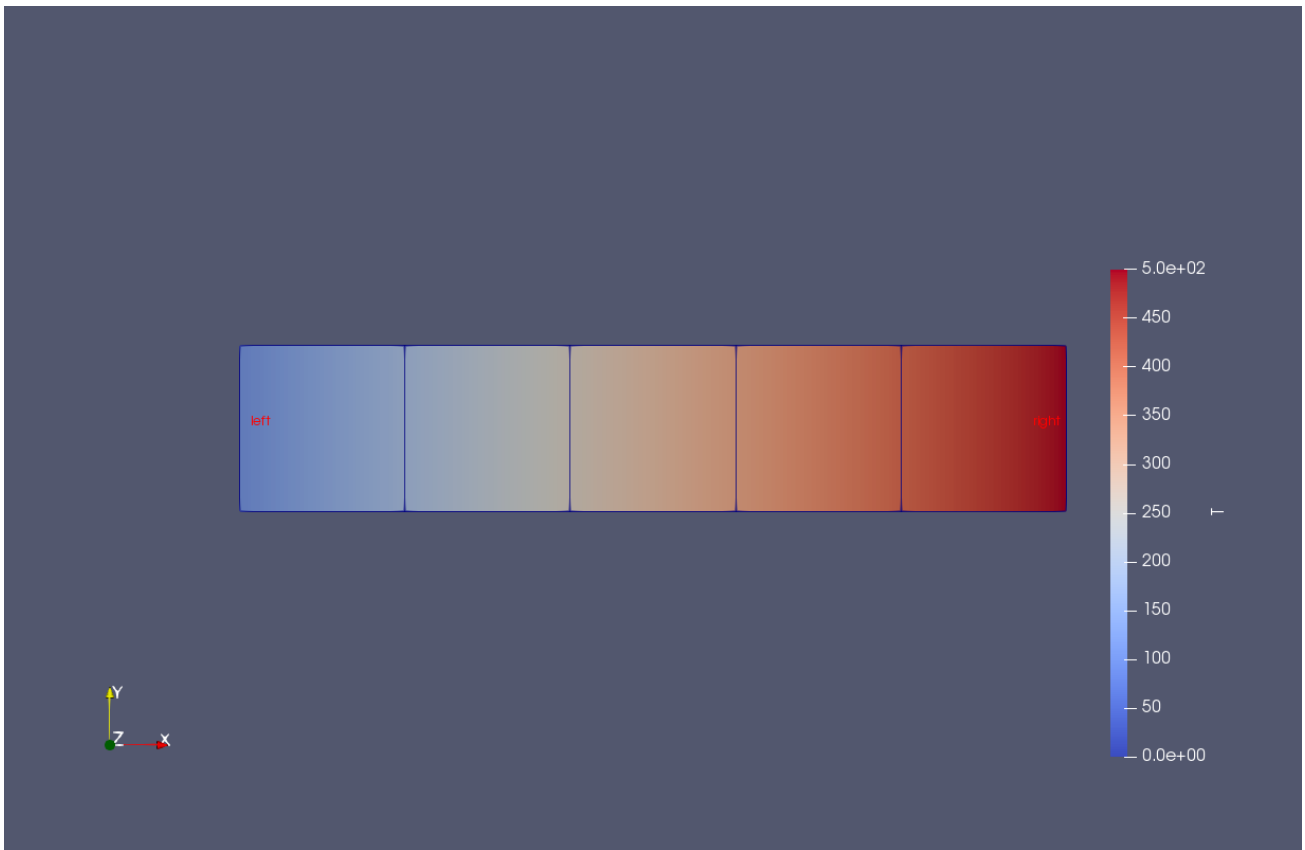
Case of Pure Disffusion :

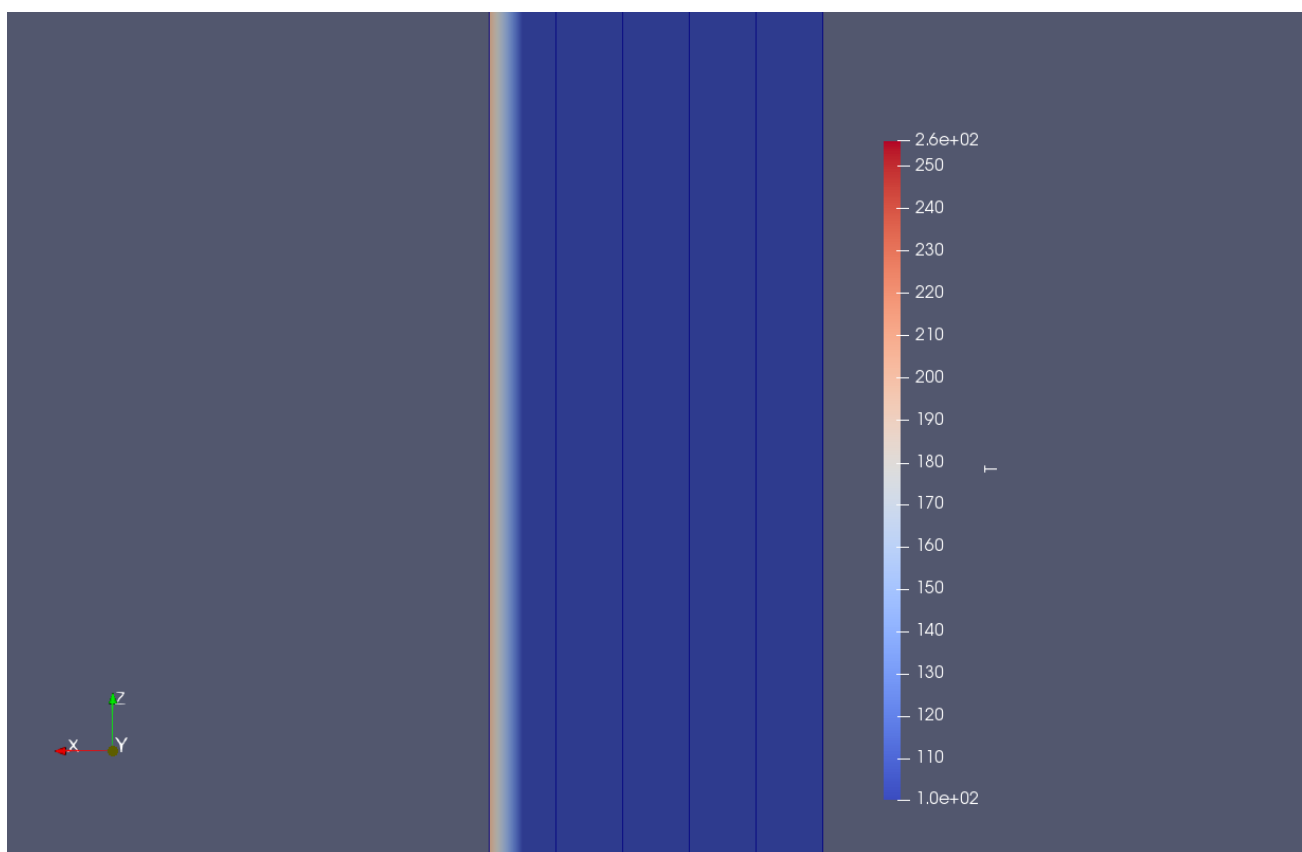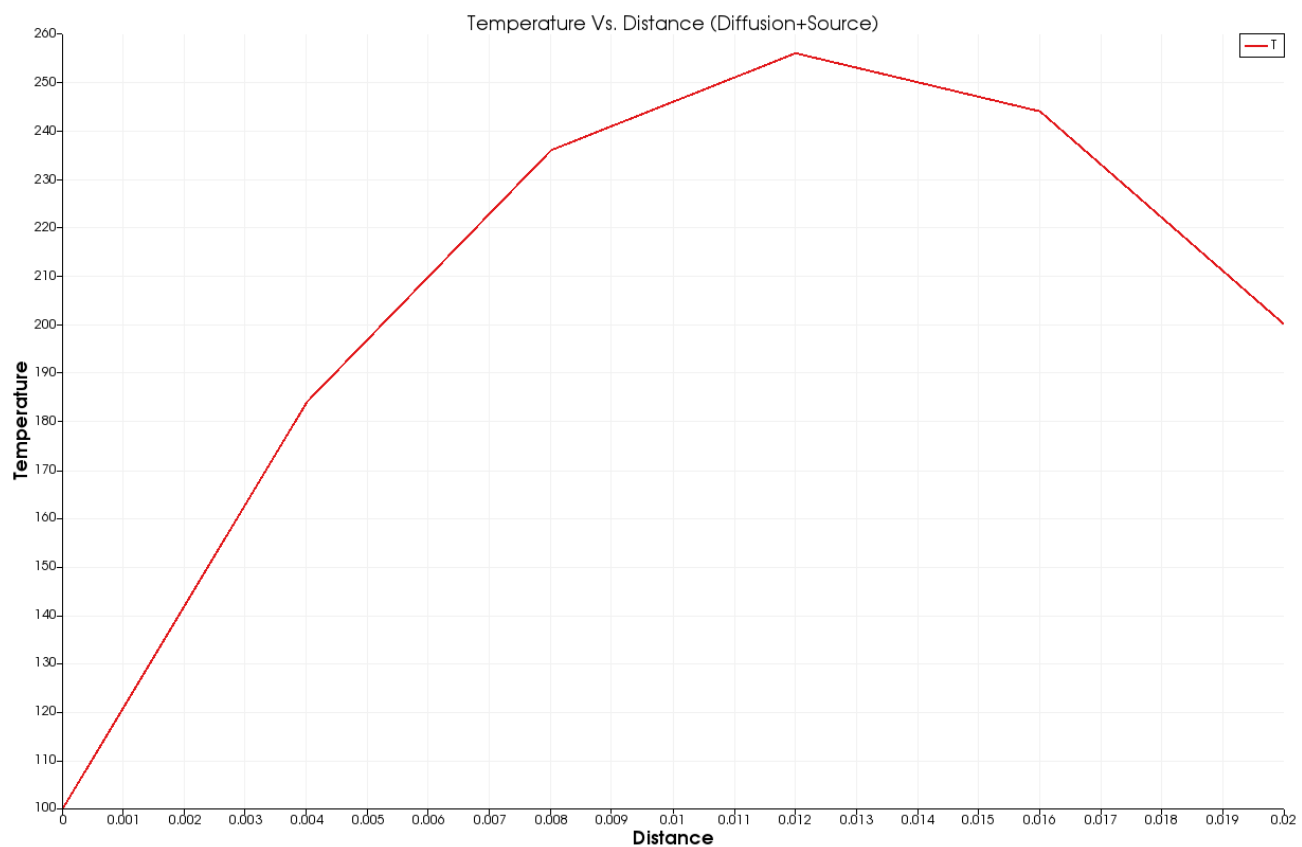The below equation describes a state of pure diffusion :

$$\mathrm{R}\sqrt{1-v}$$

Temperature Vs. Distance (Diffusive Case)

|:–🙂 | *Initial State with boundary conditions* |

| *Final State* |

Case of Pure Disffusion with Source :

Temperature Vs. Distance (Diffusion+Source)

|:–🙁| *Initial State with boundary conditions* |

| *Final State * |