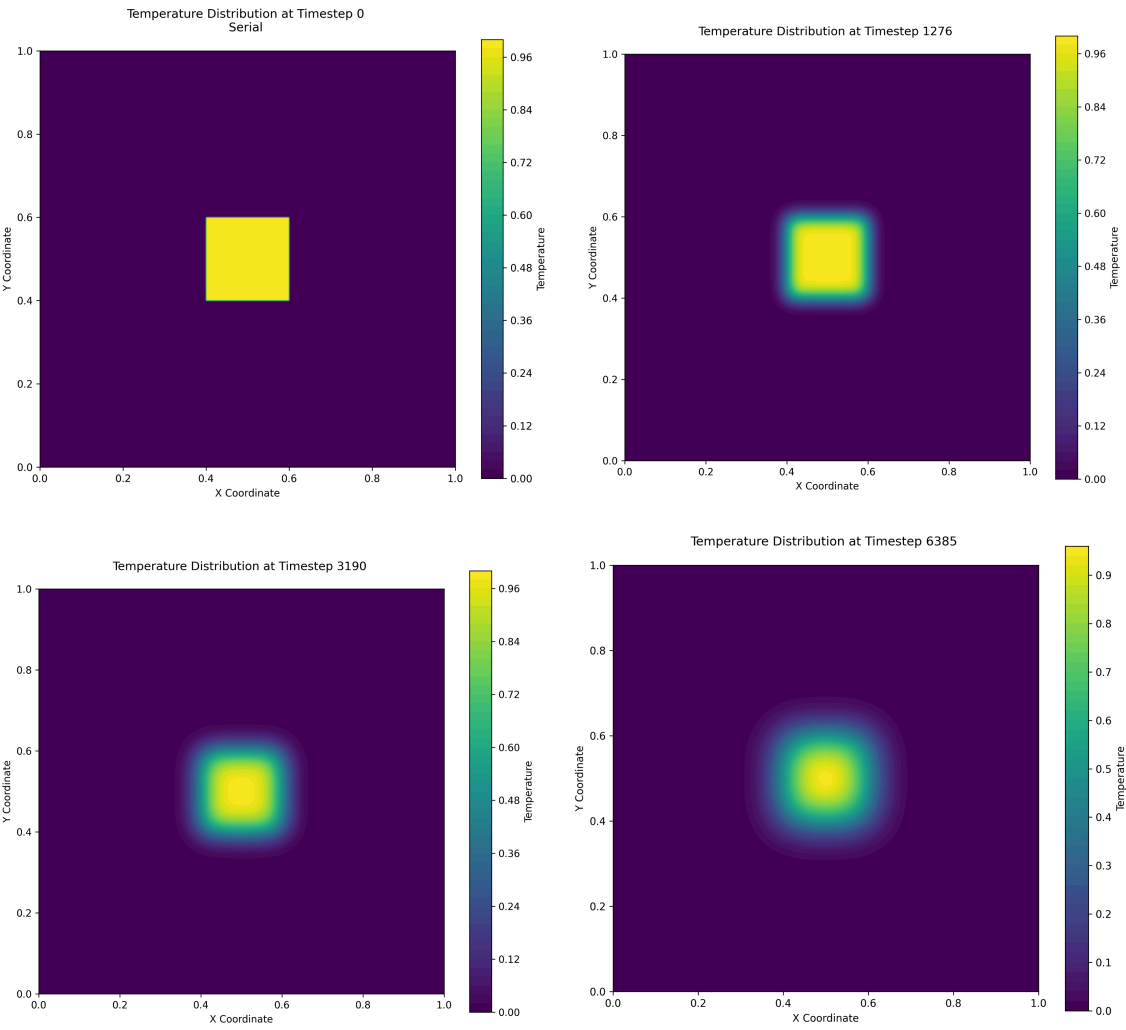


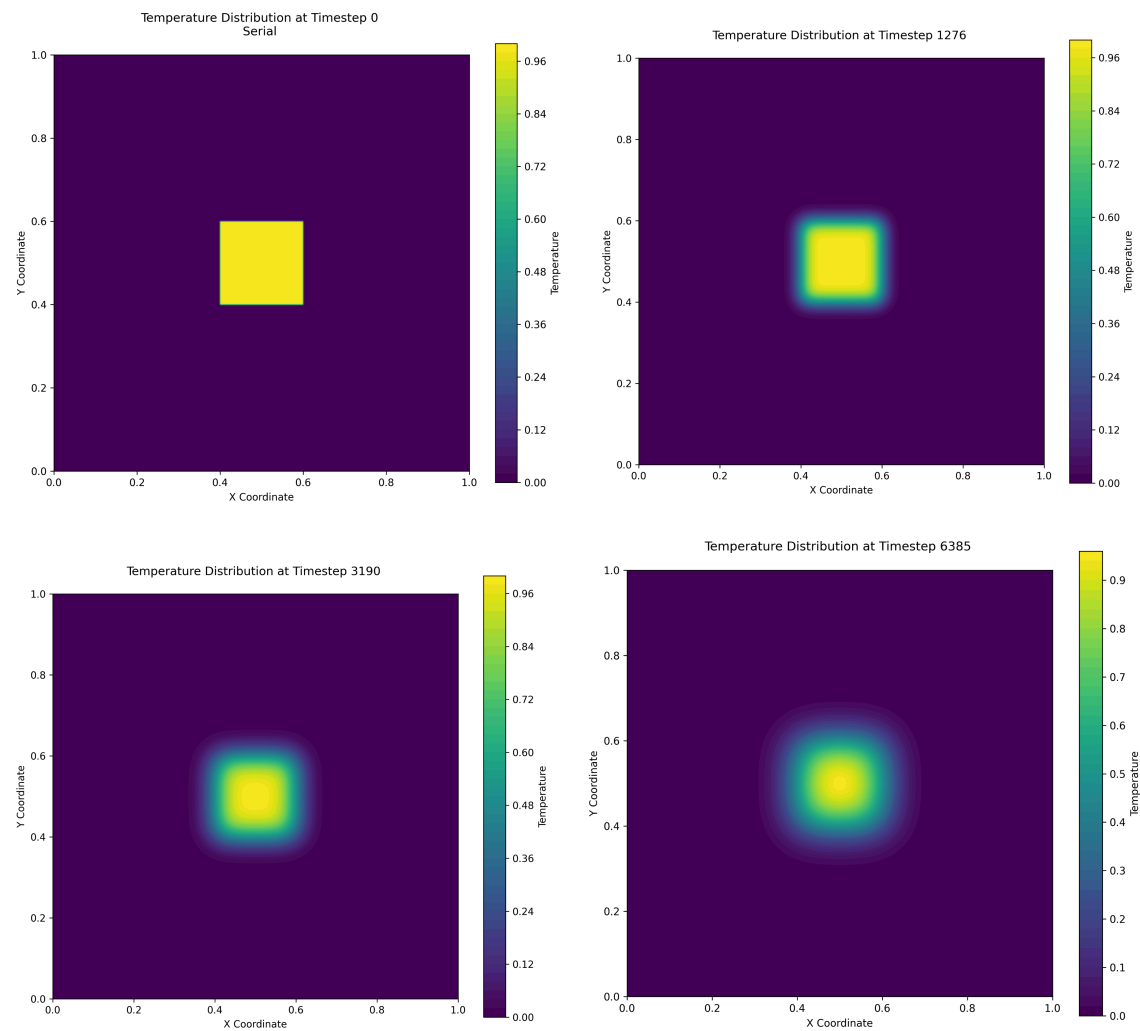
# HomeWork 5 - Report

## CO22BTECH11011

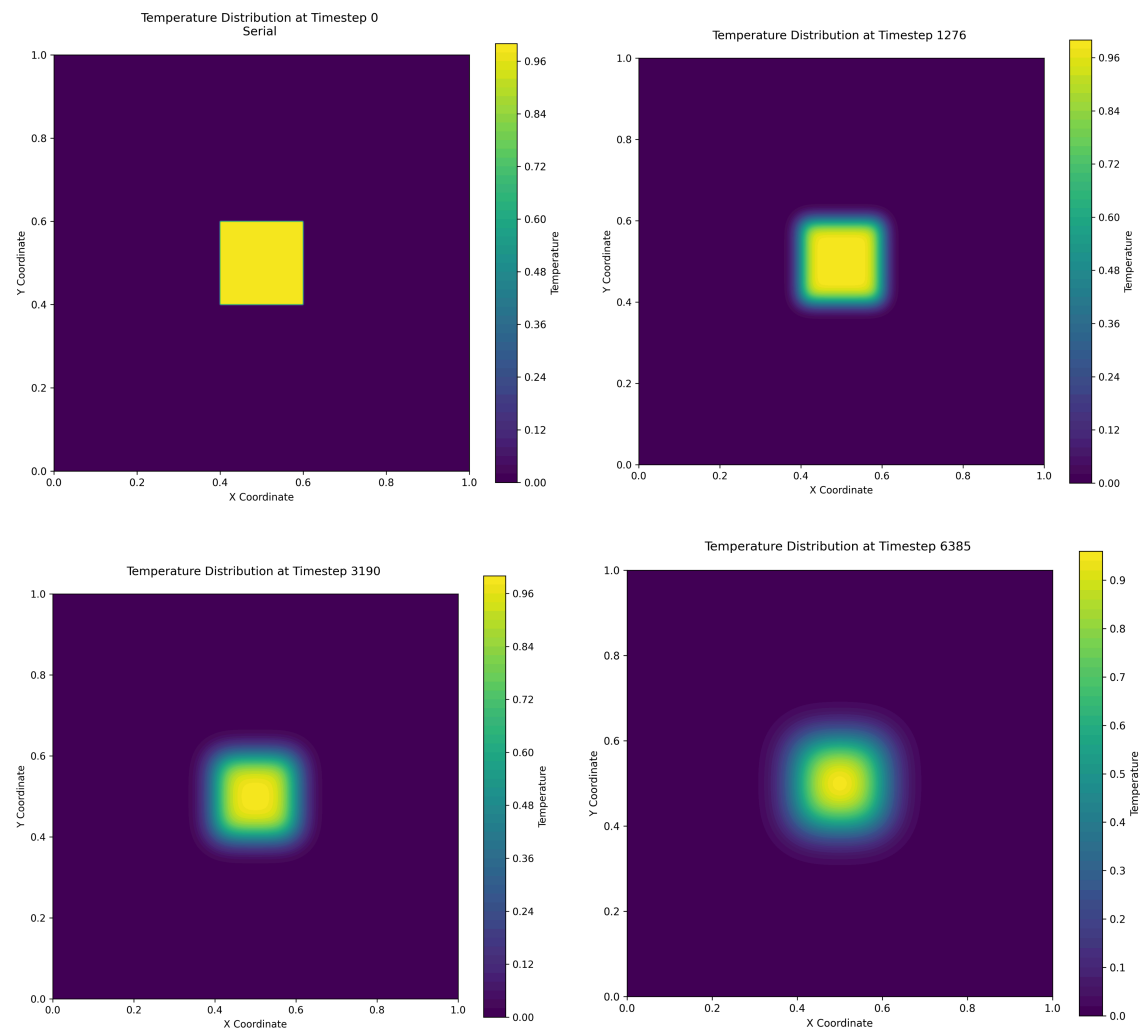
(a)  
For Serial:



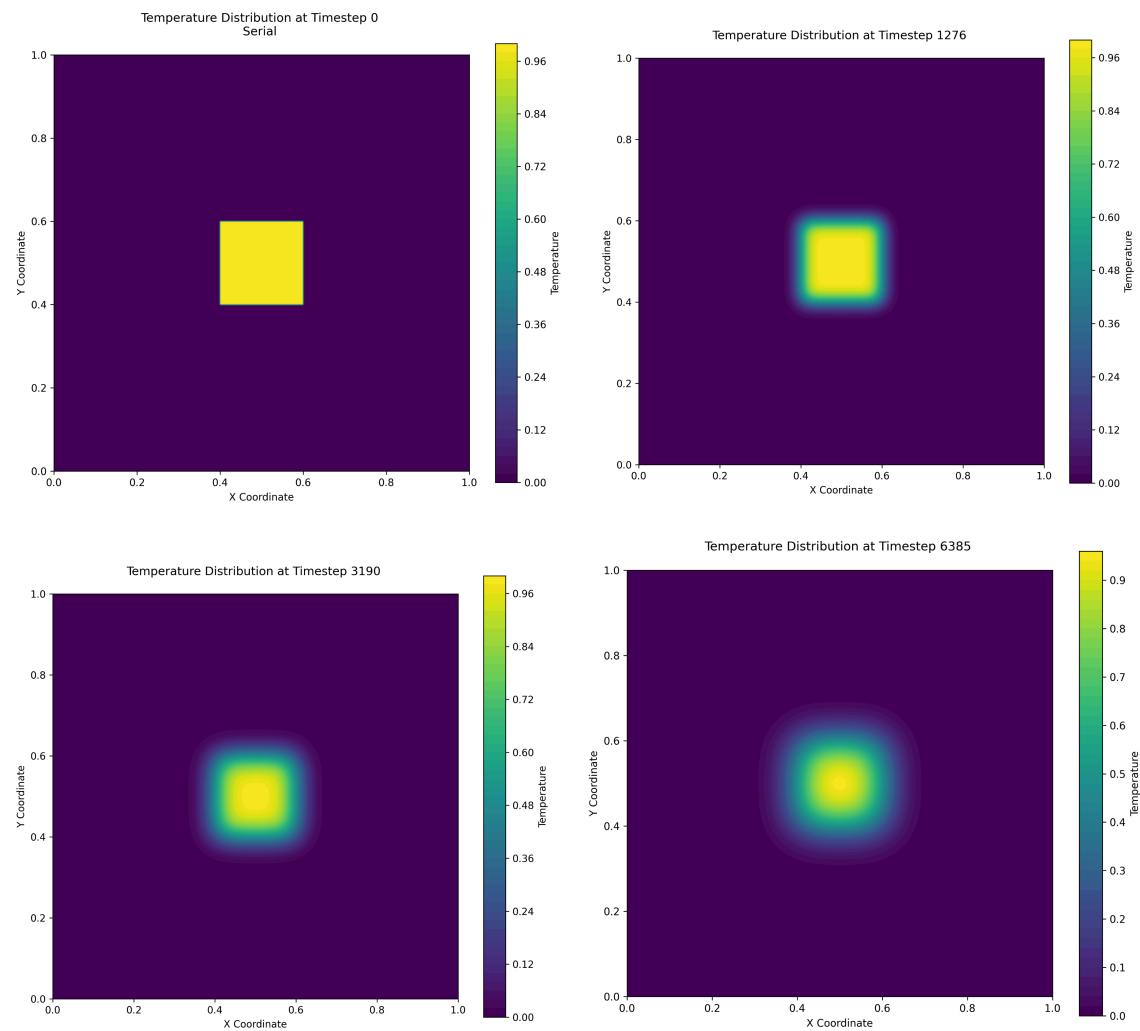
For parallel (2 x 2):

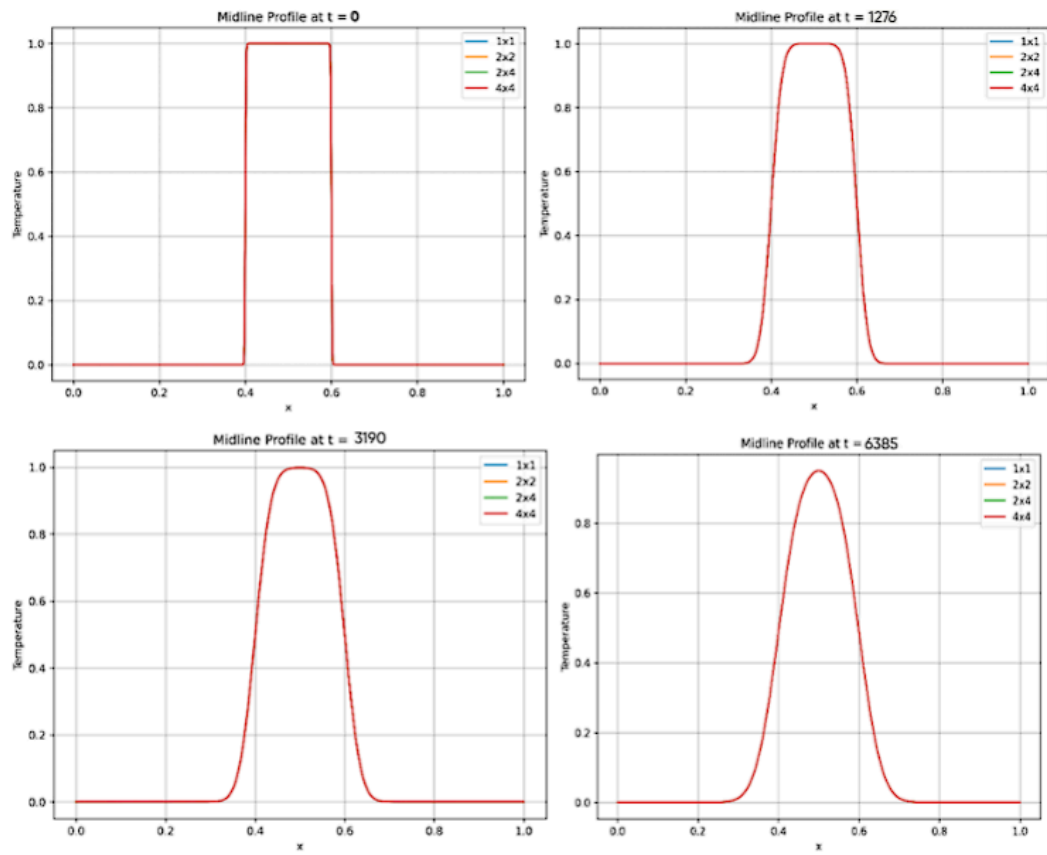


For Parallel (2 x 4):



For Parallel (4 x 4):





(b)

X	Y	Serial	Parallel	Difference
0.500626	0.51189	0.944706	0.944706	0
0.500626	0.513141	0.943559	0.943559	0
0.500626	0.514393	0.94229	0.94229	0
0.500626	0.515645	0.940899	0.940899	0

0.500626	0.516896	0.939383	0.939383	0
0.500626	0.518148	0.93774	0.93774	0
0.500626	0.519399	0.935968	0.935968	0
0.500626	0.520651	0.934065	0.934065	0
0.500626	0.521902	0.932028	0.932028	0
0.500626	0.523154	0.929855	0.929855	0
0.500626	0.524406	0.927544	0.927544	0
0.500626	0.525657	0.925091	0.925091	0
0.500626	0.526909	0.922495	0.922495	0
0.500626	0.52816	0.919753	0.919753	0
0.500626	0.529412	0.916862	0.916862	0
0.500626	0.530663	0.913819	0.913819	0

(c)

Time Step	Serial	Parallel (2 x 2)
1277	4.92E-03	2.22E-03
2554	5.10E-03	1.37E-03
3831	5.36E-03	2.39E-03
5108	4.89E-03	2.37E-03
6385	4.87E-03	1.35E-03