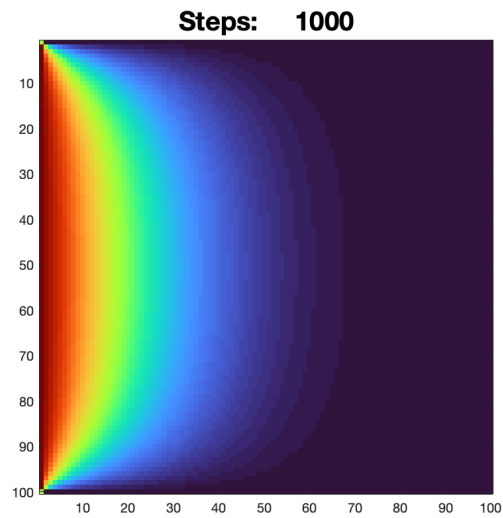**Home work 9**

2D Steady Heat conduction

Using fixed boundary conditions and the initial temperature 0K at all grid points, determine the steady state (~ 1000 steps) of heat transfer across a 2D plate.

left boundary T=300K; top, bottom and right boundary T=0K

left and bottom boundary T=300K; top and right boundary T=0K