

## Heat2D

Keywords		Value	Possible values
TIME_STEPS		100	Integer > 0
HEAT_DIFF_COEF		2.0	Real >= 0
DIMENSIONS	lx	50.0	Real > 0
	ly	40.0	Real > 0
MESH	nx	50	Integer > 0
	ny	40	Integer > 0
INITIAL_CONDITION		100.0	Real > 0
XMIN_BOUNDARY	type	Dirichlet	Dirichlet ; Neumann
	value	150.0	real
XMAX_BOUNDARY	type	Dirichlet	Dirichlet ; Neumann
	value	100.0	real
YMIN_BOUNDARY	type	Neumann	Dirichlet ; Neumann
	value	0.0	real
YMAX_BOUNDARY	type	Neumann	Dirichlet ; Neumann
	value	-10.0	real