Test Case 2:

Black\_region:

E = 117GPa

v = 0.33

a = 51e-6

k=390

White\_region:

E = 200GPa

v = 0.27

a=36

k=41

Skeleton: 40 x 40

Index: 0.99565

Temperature and Force field selected

Heat Eqn and Force balance

Boundary conditions:

LHS: 0 degrees

RHS: 1000 degrees

RHS: x,y is fixed at 0

Tolerance: 1e-13

Iterations: 1000

Initializer: T: 0.0, cx: 0.0, cy: 0.0