## Chapter8\_example5

The volumetric thermal expansion coefficient is 0.00192 /degree R

The Rayleigh Number is 4.92e+08

The value of convection coefficient is 0.586 BTU/(hr.sq.ft.degree R)

The heat transferred from one side is 93.7 BTU/hr

The Rayleigh Number based on characteristic length is 7.69e+06

The convective coefficient based on characteristic length is 0.862 BTU/(hr.sq.ft.degree R)

The heat transferred from top is 137 BTU/hr

The top transfers heat at a higher rate