

Temos o problema de contorno definido por, para $(x, y) \in (0, 1)^2$,

$$-\nabla(\kappa \nabla T) = 0; \quad (1)$$

$$T(x, 0) = T(x, 1) = a; \quad (2)$$

$$T(0, y) = b; \quad -\kappa \frac{\partial T}{\partial x}(1, y) = h(T - T_{\text{out}}). \quad (3)$$

Consider the boundary conditions:

$$T(x, 1) = a$$

$$T(0, y) = b$$

$$-\kappa \frac{\partial T}{\partial x}(1, y) = h(T - T_{\text{out}})$$

