

12.2.2.

$$k \frac{\partial^2 u}{\partial x^2} = \frac{\partial u}{\partial t} , \quad 0 < x < L , \quad t > 0 .$$

Randvillkor :

$$\begin{aligned} u(0, t) &= u_0 \\ u(L, t) &= u_1 \end{aligned} \quad t > 0 .$$

Begynnevillkor : $u(x, 0) = 0 , \quad 0 < x < L .$