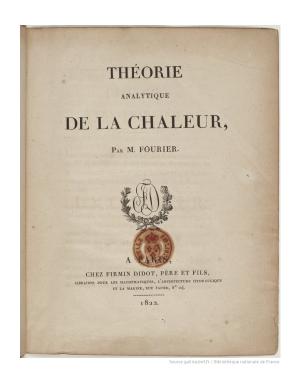
Aula 46

Eq. Diferenciais Parciais e Séries de Fourier





Equação do Calor



Problema de Valor Inicial e Fronteira

$$\begin{cases} \frac{\partial u}{\partial t} = \alpha \frac{\partial^2 u}{\partial x^2} \\ u(x,0) = f(x) & 0 < x < L \\ u(0,t) = T_0(t), & u(L,t) = T_L(t) & t > 0 \end{cases}$$