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1.(9) \frac{\partial u}{\partial x} = ze^{\sin(yz)} \frac{\partial u}{\partial y} = \lambda z^2 e^{\sin(yz)} \cdot \cos yz

\frac{\partial u}{\partial x} = x(e^{\sin(yz)} + yze^{\sin(yz)} \cos z)
 6(1)设方何两是 ei=( (cost, (cost))
          见方向导致 $ (0.0) = tim tios 0, ws02 = m lim 3 5 5 ws0, wx0, 200
          ,只在没生标轴正负方向存在方句子数.
  (2) 新加 lim 3xy = f(0.0) = 0:f(x,y) k(0,0) 连续
 \frac{24.(4)}{\partial t} = \frac{1}{4a\sqrt{\pi t^{3}}} e^{-\frac{(x-a)^{2}}{4a^{2}t}} + \frac{1}{2a\sqrt{\pi t}} e^{-\frac{(x-a)^{2}}{4a^{2}t}} \frac{(x-a)^{2}}{t^{2}}
           \frac{\partial T}{\partial x} = \frac{1}{2a \sqrt{\pi t}} e^{-\frac{(x-\alpha)^2}{4a^2t}} \cdot \frac{1}{4a^2t} \cdot (-2x+2a) = \frac{e^{-\frac{(x-\alpha)^2}{4a^2t}}}{4a^2(\sqrt{\pi}t)^2} (x-a)
             \frac{\partial}{\partial x} \left( \frac{\partial T}{\partial x} \right) = \frac{\partial^2 T}{\partial x^2} = \frac{1}{4a^2 \sqrt{\pi t^2}} e^{-\frac{(x-a)^2}{4a^2 t}} + \frac{(x-a)^2}{8a^2 \sqrt{\pi t} \cdot t^2} e^{-\frac{(x-a)^2}{4a^2 t}}
            \frac{1}{2} \frac{\partial T}{\partial x} = a^2 \frac{\partial^2 T}{\partial x^2}
 26.(6) == + (子)+ 9(六) + - 文明(六)
                32 = 3 (3x) = y fx(y) + (-x1) · 9x(x) + x2 [9x(x) + x3(x)]
              \frac{\partial^2}{\partial x \partial y} = \frac{\partial}{\partial y} \left( \frac{\partial^2}{\partial x} \right) = \frac{x}{y^2} \frac{\partial f_x(\frac{x}{y})}{\partial y} + \frac{1}{x} g_y(\frac{y}{x}) = \frac{1}{x} g_x(\frac{y}{x}) - \frac{y}{x^2} \frac{\partial g_x(\frac{x}{y})}{\partial y}
 \left| \frac{\partial f(\vec{x})}{\partial t_i} \right|_{P_0} = \nabla f(x,y) \cdot \vec{e}_i = 1
               \left\{\begin{array}{c|c} \frac{\partial f(\vec{x})}{\partial \vec{c}} \middle|_{P_0} = \nabla f(x,y) \cdot \vec{e}, = -3 \end{array}\right\}
              解DO 得 v f(x,y) = (3,3-52)
                 \frac{\partial f(\vec{x})}{\partial t} = \nabla f(x, y) \cdot \vec{e}_3 = \frac{953}{12} + \frac{6513}{13} - \frac{156}{13} = \frac{1553 - \lambda 76}{13}
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