

# 8-多元函数微分学-2

## 偏导

偏导记号规范

$$\frac{\partial f}{\partial x} = f_x$$
$$\frac{\partial^2 f}{\partial x \partial y} = f_{xy}$$

## 全微分

$$\Delta f = A\Delta x + B\Delta y + o(\sqrt{(\Delta x)^2 + (\Delta y)^2})$$
$$\frac{f(x,y)}{\sqrt{x^2 + y^2}}$$

## 可微与可偏导的关系

