例1: 墨什么 求又=x²+3xy+y°的编章数

水: 
$$Zx = \frac{9x}{95} = 7x + 3\lambda$$

$$z_y = \frac{\partial z}{\partial y} = 3x + 2y$$

例2:复含偏弱数

$$Z_{x} = \frac{\partial Z}{\partial x} = \frac{1}{2} \left[ \ln(xy) \right]^{-\frac{1}{2}} \frac{\partial x}{\partial x} dx$$

$$= \frac{1}{2} \left[ \ln(xy) \right]^{-\frac{1}{2}} \cdot \ln(xy) \cdot (xy)$$

$$= \frac{1}{2} \left[ \ln(xy) \right]^{-\frac{1}{2}} \cdot \frac{1}{xy} \cdot y$$

例1: 计算函数至=2x²y+xy²在点(1,2)处的建设分

解: 
$$\frac{32}{3x} = 4xy + y^2 \quad \frac{32}{3y} = 2x^2 + 2xy$$

$$\frac{9x}{98} \Big|_{x=1}^{x=1} = 15$$
,  $\frac{4y}{9x} \Big|_{x=1}^{x=1} = 6$