$$\frac{\mathrm{d}^0 f}{\mathrm{d}x^0} \tag{1}$$

$$\frac{\partial^0 f}{\partial x^0} \tag{2}$$

$$\frac{\partial^2 f}{\partial x \partial y} \tag{3}$$

$$\frac{\partial^3 f}{\partial x \partial y^2} \tag{4}$$

$$\tag{5}$$