(1)
$$(e^{-x} \sin x)'' = \frac{-2e^{-\sqrt{9}\lambda}}{(-2)^{2}}$$
; (2) $(f(x^{2}))'' = 2f^{-1}(x^{2}) + 4x^{2}$

2.3 高阶导数及相关变化率
$$(4) \begin{cases} x = a(t - \sin t), & \frac{d^2y}{dx^2}, \\ y = a(1 - \cos t), & \frac{d^2y}{dx^2}, \\ \frac{\partial y}{\partial x} = \frac{1}{2} \frac{1}{2} \frac{1}{2} (x^2) + 4 \frac{1}{2$$

(5) $\begin{cases} x = f'(t) \\ y = tf'(t) - f(t) \end{cases}$, 其中 f(t) 具有二阶 导数且 $f''(t) \neq 0$, $z = \frac{\tan^2 - 1}{(t - \cot^2)^2} \frac{1}{\cos(t - \cot^2)}$

(1-cat)

= - a(1-wst)2

3/ d2/2 0 dx = 34/ = f(1)+tf"(1)-f(1) = t

dr = dx (dr) = dt (t) dt = 1.

(1)
$$y = 2x^2 + x |x|$$
, $\Re \frac{d^2y}{dx^2}$, $\Im(x) = \begin{cases} 3x^2 + 7z \\ x^2 + x \end{cases}$
 $\begin{cases} \frac{1}{x^2} + \frac{1}{x^2} \\ \frac{1}{x^2} + \frac{1}{x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2} + \frac{1}{x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2} + \frac{1}{x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1}{x^2 + x^2} \end{cases} = \begin{cases} \frac{1}{x^2 + x^2} \\ \frac{1$

$$\frac{(x)^{2} + (x)^{-3}(6)}{x^{-0}} = \frac{2x^{2} + x^{2}}{x^{-0}} = 0$$

$$\frac{3(x)^{-3}(6)}{x^{-0}} = \frac{2x^{2} - x^{2}}{x^{-0}} = 0$$

$$\frac{3(x)^{-3}(6)}{x^{-0}} = \frac{2x^{2} - x^{2}}{x^{-0}} = 0$$

$$\frac{3(x)^{2}(6)}{x^{-0}} = \frac{3x^{2} - x^{2}}{x^{-0}} = 0$$

$$\frac{3(x)^{2}(6)}{x^{-0}} = 0$$

$$\frac{3(x)^{2}(6)}{x^$$

(6) $y = \frac{1}{x^2 - 3x + 2}$, $\Re y^{(n)}$,

1 - 1 - 2 = 8

$$\frac{x^{20}}{dx^{2}} = \frac{x^{2}}{|x|^{2}} = \frac{y'(x)}{|x|^{2}} = \frac{y}{x^{2}} = \frac{y}{x^{2}}$$

(2)
$$\sin y + xe^{y} = 0$$
, $\Re \frac{d^{2}y}{dx^{2}}\Big|_{y=0}^{x=0}$, $\Re \frac{d^{2}y}{dx^{2}}\Big|_{y=0}^{x=0}$, $\Re (\omega y + xe^{3}y + e^{3}z)$. $\Im (x^{3}y + xe^{3}y + e^{3}z)$.

 $\frac{1}{2} \int_{-1}^{1} \frac{1}{(1-x)^{n}} \int_{-1}^{1}$

$$y'' = \frac{e^3 \cdot y'(sh + wsy) - e^3(wsy + sh y) \cdot y'}{(sh y - wsy)^2} = \frac{e^{23}(sh y - wsy) - e^{23}(wsy + sh y)}{(sh y - wsy)^3}$$
 3、用來作居然公式计算 $(x^2 \sin 2x)^{(50)}$ 。

(3)
$$y = x - \ln y$$
, $\Re \frac{d^2 y}{dx^2}$, $\sqrt[3]{z} - \left[-\frac{3}{3} \right]$

3"= 3'(4+1) = 13' = 3' = 13' = 16' = 18' = 16' = 18' =