Th4 (Taylor) 主要功能: 提為精确度 在维、和在不可能提出的附领等 4522: f(x)=Pn(x)+Rn(x) 其中, $P_n(x) = f(x_0) + f(x_0) + f(x_0) + \frac{f'(x_0)}{2!} (x_0)^2$ +...+ +(xo) (x-xo)n $R_{h}(x) = \frac{f(y)}{(y-x_{o})^{h+1}} : L$ $O((x-x_{o})^{h}) : E = \frac{1}{2} \frac{1$ H(x) = f(x0) + f(x5) (x-x0) + f(x0) (x-x0) + --- $+\frac{f(x_0)}{h'}(x-x_0)^n+Rn(x)$ f(x) = f(0) + f'(0) + f'(0) + f'(0) + f'(0) = f(0) = f(0) + f'(0) = f(0) = f(0)+Rn(X) >麦类**

$$\frac{27!}{9!} = \frac{27!}{11!} + \frac$$

 $\frac{581}{100} \frac{1}{100} \frac{$

$$x(65x - 5)hx = -\frac{x^{2}}{3} + o(x^{3})$$

$$x(65x - 5)hx = -\frac{x^{3}}{3} + o(x^{$$

 $\Theta (1+x)^{\alpha} = 1 + \alpha x + \frac{\alpha (\alpha - 1)}{2!} x^2 + \frac{\alpha (\alpha - 1)(\alpha - 2)}{3!} x^3$

+ ...

1313 lim 14x + 1/1x - 2

 $\frac{403}{2!} : (HX)^{a} = 1 + ax + \frac{a(a-1)}{2!} X^{2} + o(x^{2})$ $\frac{1}{\sqrt{1+x}} = 1 + \frac{1}{2}x - \frac{1}{9}X^{2} + o(x^{2})$ $\sqrt{1-x} = 1 - \frac{1}{2}x - \frac{1}{9}X^{2} + o(x^{2})$

 $\frac{1}{1}\sqrt{1+x}+\sqrt{1-x}-2=-\frac{1}{4}x^{2}+\frac{1}{4}x^{2}$ $\frac{1}{1}\sqrt{1+x}+\sqrt{1-x}-2=-\frac{1}{4}x^{2}+\frac{1}{4}x^{2}+\frac{1}{4}x^{2}$ $\frac{1}{1}\sqrt{1+x}+\sqrt{1-x}-2=-\frac{1}{4}x^{2}+\frac{1}{$