第1章练习题以成年 1 第2章练习题2

2. sin(x) 的享值,数据传递决差,即自变量x发生散动 树干酒 勢值的误差

$$e(x) = x - x$$

$$e(x) = \frac{x}{x} - x$$

$$e(x) = \frac{x}{x} - x$$

$$f(x+h) - f(x)$$

$$f(x) = e^{-x}$$

$$f(x) = \frac{x}{x} - x$$

$$e(x) = \frac{x}{x} - x$$

$$e($$

$$|\cos a| = \left| \frac{|\cot x - \tan x|}{|\cot x|} / |x| \right| = \left| \frac{|\cot x|}{|\cot x|} \right| + \left| \cot x - \cot x \right| = \ln f(x)$$

当 sinx so , cond so , x= K不时 k +0

4. 设4.28, 按递推公式

after n thus error secons notifies - 27 (82), nacro

6.序列到清晨选推关

Error each time is 10 (-12- 1.41)

8. fu 11/2 xy +: 12 + 1

|x|+|y|| 度量=无值 (x,y) 斯大化

并假定以州门二

考虑以为别发生批劝的情况下,

ing 对有条件数 and ch = 1/4、特达个结论与减效 的 敏感性从民报消现募联

x发生状动 h

$$\left|\frac{\mu'(|x|+|\lambda|)}{\mu'(|x|+|\lambda|)}\right| = \left|\frac{\mu'(|x|+|\lambda|)}{\mu'(|x|+|\lambda|)}\right|$$

人发生扶动的

$$\left|\frac{1+(\lambda+\mu)-+(\lambda+1)(\lambda+\mu)}{\mu(\lambda+\mu)(\lambda+\mu)}\right| = \left|\frac{1+(\lambda+\lambda)}{\mu(\lambda+\mu)}\frac{1+(\lambda+\lambda)}{\mu(\lambda+\mu)}\right|$$

Thus, small \$\$\frac{1}{4}\frac{1}{4}\to on x,y will be amplified

$$0.1 = 2^{-1} \times \left(1 + \frac{1}{2} + \frac{1}{21} + \frac{1}{25} + \frac{1}{28} + \cdots\right)$$

2.2