第八章 反拳歌台 4月11日 Stor funday 收敛与 Lime fun=0 的关系 0 \$2 f>0, \$ 0\$0 3)· 于20. 于连续. ①夕◎ 4) fro 070 √ (选取对所数作估计) 引 专棚 の 30 f在ca,+10)上-教连续, 0⇒包√ 例: 习题10,11 2.剂充:证明: 老fu, 连续可微, 积分 fth fanox 和 fa +th +(w) 似 和收较, 凹 ×→+10世和→>b 证明(1) 及罗证对∀ {XY), X→+10 烟箱 +(XX) 收敛 田(atof'x)dx收較. 标记Canday准则, YE20, 习个>a. 当 X1, X2-A 00. 10th | [X2 + 60 dx | @= | fix)-f(x) | < E. 没明的 to Take 于是什么了为Caudy序到、从后收敛 を limfus = a 、 差 a > b 、 引 I N N D 、 当 X > M Pd 、 A X > 有加力等 Ist two > 2A > +00 (3A > +0) Bd. 与 Status of 收入市局, 从为 a co 面祠能. 放 jmtk) =0 剂剂:设质tx) dx收敛, xfox)在口山的上部肝脏, tikly, xfx) lnx=0 证明:首约证明 X 九以 非负 MR XXX 时 表习 X12a. st. X,大X) < D . 側当 X, < を財. xtix) = Xit(Xi) fox < xiting ptw> - Xiting) 100 Xtw V. Dy Xitu) > Xitu) to fixe) < X1 fixed < fixed = fixed = fixed = 30 fixed = 100 fixed = 30 fixed = 100 fixed T鬼与GHOWAX 收额着,与JAM的成

子(注)

当被私函数不保多助.不能用地要别然

到1. Pio. Str 164%) 水 充即过来增多较. 否加(H%) 5 型收敛, 为PO时.

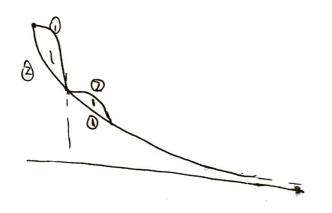
13/2. Pilo. 3.(3) STU SINX dx

知 九处的时.都收收

西郊双在安山之时、发散

于是比较判别的 毫求 few gw 补液.

7.



18. (1)
$$\int_{0}^{+\infty} x^{n} e^{x} dx = n!$$

$$\sum a_{n} = \int_{0}^{+\infty} x^{n} e^{x} dx$$

$$= \frac{x^{n+1}}{n+1} e^{x} \int_{0}^{+\infty} + \int_{0}^{+\infty} \frac{x^{n+1}}{n+1} e^{x} dx$$

$$= \frac{1}{n+1} \cdot a_{n+1}$$

$$\sum_{n=1}^{\infty} \frac{a_{n}}{a_{n}} = n+1$$

$$a_{0} = \int_{0}^{+\infty} e^{x} dx = -e^{x} \int_{0}^{+\infty} = 1$$

$$+2 \quad a_{n} = n!$$

$$\frac{1}{3049} : 900 \sin x = 900$$

$$\frac{1}{(x-9)^2} \cdot (-\frac{1}{(x-9)^2}) \cdot (-\frac{1}{(x-9)^2}) \cdot (-\frac{1}{(x-9)^2})$$

$$= \sin (x - 1) \cdot (-\frac{1}{(x-9)^2}) \cdot (-900) \cdot (-300)$$

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$$= \sinh (x - 1) \cdot (-\frac{1}{(x-9)^2})$$

$$= \sinh (x - 1)$$

21.
$$\int_{\Lambda}^{1} f w dx \leq \frac{f(x) + f(x) + f(x)}{\Lambda} - \frac{f(y)}{\Lambda}$$

Bil
$$\int_{\varepsilon}^{1} f(x) dx > \frac{f(x)(tn\varepsilon) + f(x)}{n} + \frac{f(x)}{n}$$

$$= \frac{f(x) + f(x) + \frac{f(x)}{n}}{n} - \varepsilon f(x)$$

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