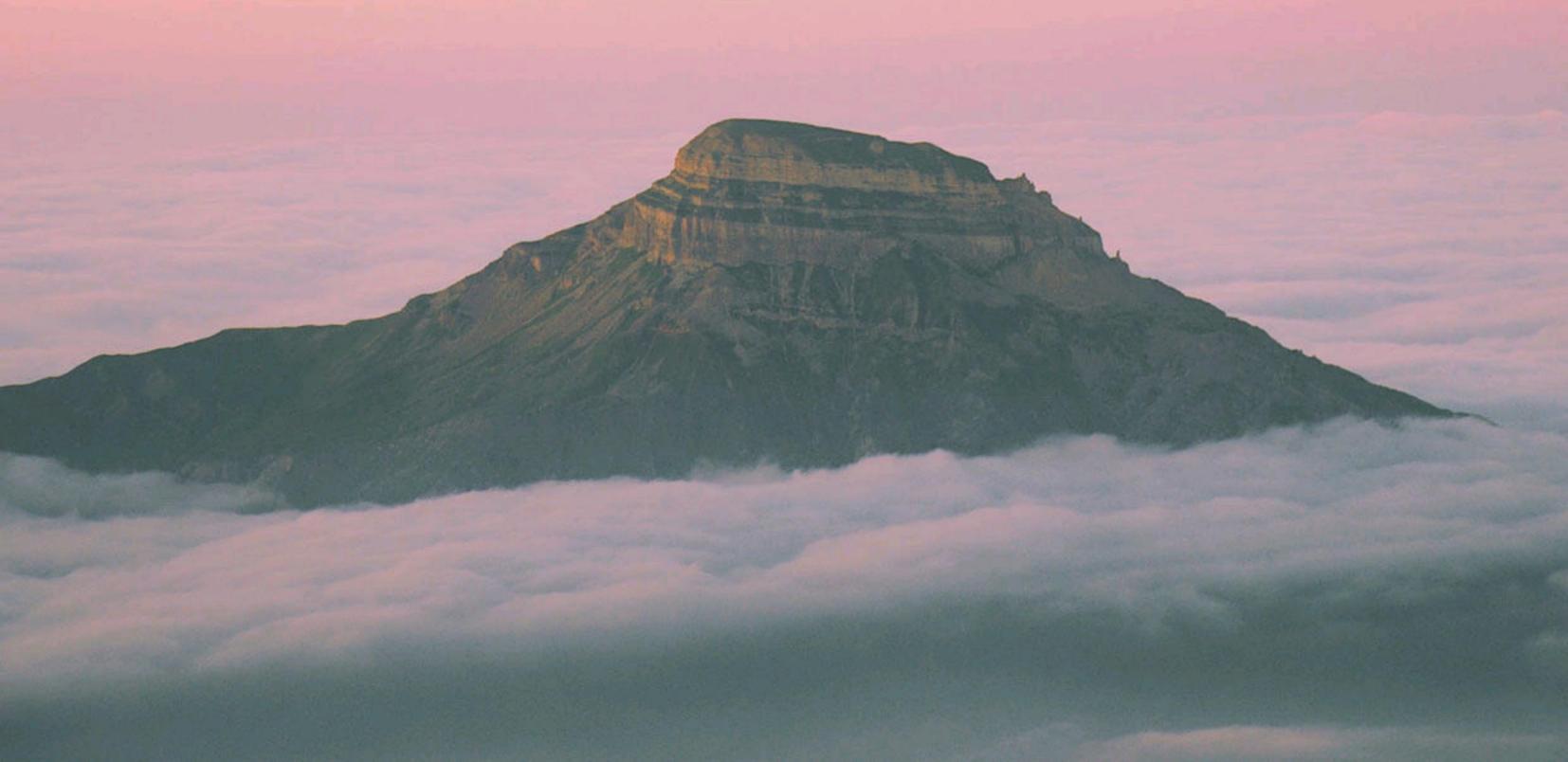
松分性多类



2. IEBA:
$$\frac{\alpha^{\frac{1}{11}}}{(n+1)^{2}} < \frac{\alpha^{\frac{1}{11}} - \alpha^{\frac{1}{11}}}{(na)} < \frac{\alpha^{\frac{1}{11}}}{(na)} < \frac{\alpha^{\frac{\frac{1}{11}}}}{(na)} < \frac{\alpha^{\frac{1}{11}}}{(na)} < \frac{\alpha^{\frac{1}{11}}}{(na)$$

$$|\xi| = \frac{1}{2} = \frac{1}{2}$$

$$\frac{a^{\frac{1}{n}} - a^{\frac{1}{n}}}{\ln a} = \frac{a^{\frac{1}{n}}}{\epsilon^2}$$

$$\frac{a^{\frac{1}{n}}}{n^{2}} < \frac{a^{\frac{1}{n}} - a^{\frac{1}{n+1}}}{(n+1)^{2}} < \frac{a^{\frac{1}{n+1}}}{(n+1)^{2}}$$

$$\therefore f(x) \overleftarrow{\mathcal{L}}(-\infty, +\infty) \bot 连续国导$$

$$\therefore \exists \xi \in (\mathfrak{A}, \pi + \alpha), \ (e^{\frac{f(x)}{2}} = \frac{f(\pi + \alpha) - f(\pi)}{\alpha} \quad \therefore \lim_{x \to \infty} f(\pi + \alpha) - f(\pi)] = \lim_{x \to \infty} f(\xi) \alpha \quad \therefore \pi \to \alpha, \ \xi \in (\mathfrak{A}, \pi + \alpha)$$

我很的唯一性的处理方法.

4. 俊f(n)在[0.1]可导,从xe[0.1]都有ocf(n)<1,且f(x)=1.证明:在(0.1)内有且仅有一寸x.便f(x)=x.

设F(x)=f(x)-x,则F(x)在[0.1]上连续

... F(0) . F(1) <0

没于社区(0.11),使F121=0 假设法

则在(14,26)上, 32,使F(至)=f(三)-1-0,即,f(三)=1. 何f(3)=1:服践错误

了,没fcn在[a,b]上延续,在(a,b)内可导,且osachs亚、证明∃去,介(ca,b),使得:

没ga)=sina

$$\frac{f(a)-f(b)}{2\cos\frac{a+b}{2}\sin\frac{a-b}{2}} = \frac{f(\xi)}{\cos\xi}$$

$$\frac{f'(\xi)}{\cos\xi} \frac{\sin\eta}{f'(\eta)} = \frac{f'(\alpha)-f'(b)}{\cos\xi} \frac{2\sin\frac{a+b}{2}\sin\frac{a+b}{2}}{f'(\eta)}$$

$$\frac{f'(\xi)}{\cos\xi} \frac{\sin\eta}{f'(\eta)} = \frac{f'(\alpha)-f'(b)}{\cos\xi} \frac{2\sin\frac{a+b}{2}\sin\frac{a+b}{2}}{f'(\eta)}$$

$$\Rightarrow f'(\xi) \frac{\sin\eta}{\cos\xi} = \tan\frac{a+b}{2} \cdot f'(\eta)$$

接り(x)= のな

$$f(a)-f(b)$$
 $f(n)$
 $+2\sin\frac{a+b}{2}\sin\frac{a-b}{2}$ +Sin n

日期: 2021 / 12/16 春勒衛 铯对值函数更换效缩

没函数f(n)在[0,1]其二阶连续导数,且f(0)=1,f(1)=2,f'(2)=0,证明:至少在在点56(0,1),便 |f"'(5)|>24

饰: f(x)在x=20的二阶泰勒展开式》:

①今不一0. 物二主族牧区间

②左末=主, 70=1

$$G_{p}: \left| f(\xi_{1}) + \left| f''(\xi_{2}) \right| \leq 2 m \alpha \pi \left| \left| f''(\xi_{1}) \right|, \left| f''(\xi_{2}) \right| \right|$$

絕对值马敖变换放缩

WAA. a	$\frac{1}{(+1)^2} < \frac{a^{\frac{1}{h}} - a^{\frac{1}{h+1}}}{(+1)^2} < \frac{a^{\frac{1}{h}} - a^{\frac{1}{h}}}{(+1)^2} < \frac{a^{\frac{1}{h}} - a^{\frac{1}{h}}}}{(+1)^2} < \frac{a^{\frac{1}{h}} - a^{\frac{1}{h}}}{(+1)^2} < \frac{a^{\frac{1}{h}} - a^$	a 1 (a>)	n>1)	
	tl) ² Ina	η2 (3.7	,,	

日期:			