草稿纸

2023年2月6日

5. : 8 = (0,1) .: (x ->) < 8 < 1 .: x = (2,4) 2: |x - | = |x ->| |xt ->| < |xt ->| 8 .: (x - | 2,4) $\lim_{x\to 3} \vec{\zeta} = 9 \iff \forall \epsilon \times 0. \exists \delta > 0, \exists \forall 0 < |x\to 3| < \delta, | |x\to 9| < \epsilon$ $| \vec{\zeta} = 9 \iff \forall \epsilon \times 0. \exists \delta > 0, \exists \forall 0 < |x\to 3| < \delta, | |x\to 9| < \epsilon$ $| \vec{\zeta} = 9 \iff \forall \epsilon \times 0. \exists \delta > 0, \exists \delta > 0, | |x\to 3| < \epsilon$ $| \vec{\zeta} = 9 \iff \forall \epsilon \times 0. \exists \delta > 0, | |x\to 3| < \epsilon \times \epsilon$ $| \vec{\zeta} = 9 \iff \vec{\zeta} = 6 \iff \vec$

福上 当版 5= min { = 1,13 0+ 何 lim x=9 Q.E.D

 $\lim_{k \to 4} \overline{\chi} = 2 \iff \forall \in 70, \exists 5 > 0, \exists \forall |\chi - 4| < \delta, |\tilde{h}| |\tilde{\chi} - 2| < \epsilon$ $|| \exists \xi \in (0, \overline{h} + 2) \Rightarrow || \exists \xi \in (0, \overline{h} + 2) \neq || \exists \xi \in (0, \overline{h} + 2) \neq || \exists \xi \in (0, \overline{h} + 2) \neq || \exists \xi \in (\overline{h} +$

7. (1) $\lim_{x \to 3} (x + 5x) = y \neq \Leftrightarrow \forall (x + 5x) = y \neq (x + 5x) = y$

(2) lim x+ = 2 => 4 8>0, 38>0. 3 4 1x-11 < 8, 1 x -2 < 8

: YE>0, 35 >0, 3 Y IX-a < 8, to | fax -A | < 8

要证 Lim (fcx) = 141、即正 YE>0、36 >0、3 Y IX-G (6、右 | 1fcx) - 1A1 (E