$$\overline{P} = + - i + (2023.5.24)$$

$$\overline{Thm} (\dot{q}) + 2 \cdot (\dot{q}) + 2 \cdot (\dot{q}) + \dot{q} +$$

Z = Z + W = $Pf \cdot m_*(E) < \infty \Rightarrow \exists G \neq m(G) < \infty$  s.t. E = G7. 45 já VIET, ICG (: Visali) \[ \begin{align\*}
\begin{align\*}
\text{S.} & \def & \text{Jef} & \text{S.} & \def & \text{S.} & \def & \text{S.} \\
\end{align\*}
\]
\[ \begin{align\*}
\text{S.} & \def & \text{S.} & \def & \text{S.} & \def & \text{S.} & \def & \text{S.} \\
\end{align\*}
\]  $\frac{1}{\sqrt{2}} = 0 \implies \frac{1}{\sqrt{2}} = 0 \implies \frac{1$ 女学ECII,停下  $\mathbb{Z}$ ,  $\mathbb{Z}$ ,  $\mathbb{Z}$ ,  $\mathbb{Z}$   $\mathbb{Z}$  $\Rightarrow \delta_1 > 0 (HW)$  $\sqrt{2}$   $\sqrt{2}$ 

$$\sum_{k=1}^{\infty} |I_{k}| \leq M(G) < +\infty$$

$$\Rightarrow \exists N, s.t.$$

$$\sum_{k=N+1}^{\infty} |I_{k}| < \frac{\varepsilon}{5}$$

$$A \stackrel{\text{def}}{=} E \setminus (\bigcup_{k=1}^{\infty} I_{k})$$

$$A \stackrel{\text{def}}{=} E \setminus (\bigcup_{k=1}^{\infty} I_{k})$$

$$A \stackrel{\text{def}}{=} E \setminus (\bigcup_{k=1}^{\infty} I_{k}) < \varepsilon$$

$$A \stackrel{\text{def}}{=} E \setminus (\bigcup_{k=1}^{\infty} I_{$$

$$\begin{array}{c} x = \underbrace{\left\{\frac{z}{z}\right\}_{1}^{2}}_{K} = \underbrace{\left(\frac{z}{z}\right)_{1}^{2}}_{K} = \underbrace{\left(\frac$$

Pf of Thm 7) i=1) fa.e. 7/28. 13 5 iv: 73-4 老女,  $D^{\dagger}f(x) = D_{+}f(x) = D^{\dagger}f(x) = D_{-}f(x) + \frac{1}{2}\int_{0}^{x} f(x) dx$  $\overline{Z} = \{ x \in (a, b) : D^{\dagger} f(x) > D_{-} f(x) \}$  $E_2 \stackrel{\text{def}}{=} \left\{ x \in (a,b) : D = f(x) > D + f(x) \right\}$  $C|\underline{ai-1}| m(E_1) = m(\bar{E}_2) = 0$ / this,  $\forall x \in (a, b) \setminus (E_1 \cup E_2)$ ,  $D^{\dagger} f(x) \leq D_{-} f(x) \leq D^{-} f(x) \leq D_{+} f(x)$ => f'(x' /8 te. (7 be 7) 00) Fi: 1 m(E) = 0  $E_1 = \bigcup \left\{ x \in (a,b) : D^+ f(x) > r > S > D_- f(x) \right\}$ ie z Aris

 $Clain \ge M_*(A_{r,s}) = 0, \forall r, s \in \emptyset.$   $listin > 7.3t', lie. M_*(A) > 0$  $\Rightarrow \forall \epsilon > 0$ ,  $\exists G H s. \epsilon. A \subset G M$  $m(G) < (1+\epsilon) m_*(\Lambda)$  $\mathcal{J}_{A} \propto \epsilon A \implies D_{-}f(x) < s$  $\frac{f(x-h_x)-f(x)}{h_x} \leq s, \quad h=1,2...$  $=) f(x) - f(x - h_x^{(n)}) < sh_x, \quad n = 1, 2 \cdots$ 7.49 ji  $E_{D}$  f  $[x-h_{x}^{(n)}, x] \subset G$ 7 Ai- TVitaling

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