CEMULAP NO MATAKY

26.10.20

X, A, y
$$f: X \rightarrow \mathbb{R}$$
 -usner.

If J pocrowe p -un $f(x) = \sum_{i=1}^{n} C_i J_{A_i}(x)$

X $f: A$ $f: X \rightarrow \mathbb{R}$ -usner.

Y $f: A \rightarrow \mathbb{R}$ C: $f: A$

X $f: A \rightarrow \mathbb{R}$

X $f: A \rightarrow$

NPU RAKUX L OP-USI | COSX | WHITE PUPYENDA
HA [0, 277]?

2>0 / (2x1/cosx/2>ng orpareurera=)

2 < 0 $\lambda (\{x_i | cox | \leq n^{\frac{1}{2}}\}$

 $C(\frac{\pi}{2}-x) \leq |\cos x| = |\sin(\frac{\pi}{2}-x)| \leq |\frac{\pi}{2}-x| \Rightarrow$ $|\cos x|$ where π , was $\cos x = |\cos x|$ where $\sin x = |\cos x|$ where $\sin x = |\cos x|$

Myoto f: [a, b] - B whiter. no Puniahus

The theory is the particles.

The particles of the particles of the particles.

MUCTO $f:(a,b) \rightarrow \mathbb{R} - \underline{Asconstro}$ mecosots. WETETPAN NO PUNAHY \Rightarrow f whetetp. No Netery

ECRU F:(a,b) -> PR-MECOSCAB. WHETERPAN, HO IFI WE WHATERP. -> F WE WHATER NO NEBERY

I chocof;

| COSX | dx < C (\frac{\pi}{2} - x) d - HECOSCIB. WHETERAN
NPU &>-1

=> WHITERP. NO NEBERY

Mars 9<-1

J COSX / JX - WHETER, NO PRIMARUS Y ACRETY

ECRY ISU COSXIX GOUNA WHITEIP. NO NEBERY, VO

J | CO3x | J N(x) < J | CO3x | JX

1 llnx/d wer wer

a) [0, ½] b) [0,1]

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 $\lambda > 0$ $\lambda \left(\frac{2}{2} x : |\ln x|^{\lambda} > n^{2} \right)$

 $|\ln x|^{\alpha} \leq \frac{c}{\sqrt{5x}}$

=> llnx1d meterp. Her [0, 2] + L Xd WHIEPP. HA 2>-1

8) [0,1] neu 220 moren.

npu 20 (B Dep 1)

 $C(x-1)^{d} \in |\ln x|^{d} = |\ln (1+y)|^{d} \in y^{d} \in |x-1|^{d}$ y < 0

Ilnx/d weter. New [0,2] (=) |x-1|d weterp.
HA [0,1]

G

d>-1