Lec. 25-e- proof of proportion

Thursday, June 6, 2024

10:22 PM

Popper Hom: $\overline{c}(Asc_{\xi}(f)) = 0$ $\forall f \in > 0$ $\angle ift \neq \langle pisc(f) \rangle = 0$ $\forall f \in S \subseteq [a, b]$ Hen $\overline{c}(S) = 0$ $\angle ift \Rightarrow$ $\forall f \geq 0$ $\exists f = f = collection$ $I_{1}, I_{2}, \dots, I_{N}$ of closed non-avo happing intervals of Ta, 6I Sts $\cdot 3 \in \bigcup^{N} I_{j}$ $\cdot \underbrace{z^{N}}_{j=1} I(I_{j}) \leq f$ f = Oot f f = orbits contact $Proof f dim : is the interve of <math>y \neq f = f$ $\overline{c}(S) = \overline{U}(X_{s}) = int \underbrace{SU(f_{1} \times s)}_{Pig_{s}}$ corolley of class: $We know <math>Pisc(f) = \bigcup_{n \geq 1} Pisc_{1}(f)$ $if = (Disc_{1}(f)) = 0 \neq n$ then $\forall f \geq 0 \equiv I_{n}, \dots, I_{n}(G)$; To n-outly form<math>f

Such that $Disc_{1}(t) \leq (\int_{j=1}^{N(m)} I_{nj})$ $\sum_{\substack{1 \leq j \leq N(m)}} (I_{nj}) \leq \frac{e}{2^{n+1}}$ we have $Pisc(s) \leq \bigcup_{\substack{n \geq j}} (I_{ij} \in N(m)) T_{nj}$ Decompose Disc(t) into two subjects $Disc_{1}(t) := Disc(t) \cap (\bigcup_{\substack{n \geq j}} \bigcup_{\substack{i \leq N(m) \\ n \geq j}} T_{ij}) \xrightarrow{on the contaile} collection at the$ $<math>Disc_{1}(t) = Disc(t) \cap (\bigcup_{\substack{n \geq j \\ n \geq j}} \bigcup_{\substack{i \leq N(m) \\ n \geq j}} T_{ij}) \xrightarrow{on the contaile} collection at the$ $<math>Disc_{1}(t) = Disc(t) \cap (\bigcup_{\substack{n \geq j \\ n \geq j}} \bigcup_{\substack{i \leq N(m) \\ n \geq j}} \sum_{\substack{i \leq N(m) \\ n \geq j}} T_{ij} \xrightarrow{on the contail \\ n \geq j} \sum_{\substack{i \leq N(m) \\ n \geq j}} \sum_{\substack{i \geq N(m) \\ n \geq j}} \sum_{\substack{i$

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|Disc(f)| = 0 then Z(Disc(f)) = 0¥ 220 B