## Xantabapapa walka

Or burne "postonen po znephoct", Kayegoppobata
po znepho et e trañ-cropa a bepostro trañ-bonenare
To e geopatrupatro za bisku ntume estopho recro e rpyg tra za
npeendrone. Koyegoppobara supka e ochoboba tea nokpubanero
tra a revelebo e "mann" Mrometeba

Defunique: Henr F CIR<sup>n</sup> u 570. (F # 6).

5-Nonputue na F hopwome uzspoums u spartne formans ot mumerole [Ni] c gnametop the potereot 5:0 < [Ni] 5.

(Ano F e monout, two I upoen sport nyumerola, nouto 20 noxpubat.)

3a besin 500 gerpunpome:

HS(F) = inf\\ \(\xi\) [Uil\\ isq\ Uil\\ isq\ E\\ nokpurue ka F\\ j\\
T.e. regone nokpurus ta (Bourna) & ucuone ga munumzupone :\(\xi\) [Uil\\ \text{te cymera of Burner guanerpa, Ha creneth S.

Tom:  $H^{S}(F) = \lim_{F \to 0} H^{S}(F) - Xaycyopproba s-mappa na F.

Tazu rpopunya I HF, no recto e Oum so.$ 

Choxerla:

3/ Aro 3Fif-43 Sporme formens ot Musice coba, to:

a gocrara ga Fi > perpensanja ce mnomenta publications Ha bopen:

Kayegoppoba n-mopka na Fnokagba n-paznepund oten

(n-mepris morres na rever), man no-to etto:

voln(F) = cn voln(F), wegers cn e over the real n-paz mepto

WONTO C POSMEPHOCT 1, T.E.

Cn = Jin/2 /2" (n/2)! 3an-certo u

cn = T(1-1)/2 ((n-1)/2)! (n! 30 n- He zerto.

H°(F) - Sportorm & F.

H'(F) - gensumera na zpognesa komba F.

de (F) = 7. area (F), and Fe reagra nobsepxHOCT.

Hem (F) = Cm. vol m(F) -ono Pe m- mepter nobspx frusta.

(порнот-мерно подпрои образия)

( tay coppbstate mapka bosen u npu tsoppepolu u Nunmuyoba pour).

Therefore 3.1

There  $F \subset \mathbb{R}^n$  in  $f: F \ni \mathbb{R}^m$  is to notate

If  $(x) - f(y)I = c(x-y)^d$ ,  $x,y \in F$ , d,c>0, const.

Tomba subvalue g, is because  $f(x) = c(x-y)^d = c(x-y)^d$ , and  $f(x) = c(x-y)^d = c(x-y)^d$ ,  $f(x) = c(x-y)^d = c(x-y)^d$ , and  $f(x) = f(y)I = c(x-y)^d = c(x-y)^d$ , and  $f(x) = f(y)I = c(x-y)^d = c(x-y)^d$ , and  $f(x) = f(y)I = c(x-y)^d = c(x-$ 

Choù gebs: Ckampare

Hens &: IR" > IR" & 270, FCIRN

H \*(f(F)) = 2 \* & \*(F)

Thena F SIR" u 1 > O. Toroba H'(2F) = 15H'(F), 2F = { 1x: x \in F}

(Aus | f(x)-f(y)|=|x-y| tx, y \( \mathbb{R}^n \), +0

\[
\begin{align\*}
\begin{al

Xugegoppolo pezmepus CT (Kongegoppo-Bezurobuz.) (19)
poznepusci

Henry FCIR « SE1, za £75 « Suiz-5-nonpurue na F e

& cupa: Eluilt = Eluil tos luils = 5tos Eluils

u veryo: \$15(F) = 5t-5 H5(F)

non 5-20, Hs (F) Los normala Pt (F) =0 30 to s. No rozu twent bourgonete I kontueta crontiver 30 5, non no 150 & S(F) choka ot as word O. Togu reputurum crovitio et le copura Koyegoppola Gunerius um paznepriser na Fin a oznarabane dim F. Tal gegovernpusur 3ª bulko FCIRA.

Um no-popmento:

dimy = inf \ 500: HSCF) = Oy = sup \ 5: HS(F) = oog

Town HSCF) = So and 0 = 5 = dim + F

Och'(P) cos e Musmecolo Re Bopen, ja Kolto e & wag roporer s-monnectos.

Apoct Apunep: H'(F) = length (K) = 0.

H (F) = 7. area (F) = 9

13(K) = 6 NOF (K)=0

Ddimpk=2 u fls(x)=0 zu se2 u xs(x)=0 za 5>2.

## Uoi cha:



1) MOHOTOKNOCT AND ECF, TO SIMME EdimAF (Cheglon or HSCE) EHS(F) HS.

2) BEZINDSUMU CHOKKECTU:
AND FCIRM 170 0 = dimy FEN

(AND F-ORPORNTERNO ~ STN, TO & (F) = 0 ~) dimy FEN.)

3) Am FI, Fz, ... e (uzspouma) peguya or nomecola 170
dim to Pi = sup (=1600 Edim to Fig.

4) Ustpoum Musucaba: Ans le ustpoums, 70 dim 4 =0.

H (Fi) = 1 u dim 4 Fi =0 =D dim U Fi =0

Sport Torm 1 Fi propringer us 5 poumo fo reporte to F.

5) Othopean musueciba: And FCIR e ortopeas, to dim F=n

Therefore  $\frac{3.3}{4}$  then  $\frac{3.3}{4}$ 

Aus fe Munsunyola T.e. L=1 => dim f(F) = dim ft.

Ouze chonicolo

6) Henr l'e equaloser, nog object um agonque Tpopegopmayur & IR". Toroba dim f(F) = dim pF. resmerpursa unbapmenteser. 7) Trugen meckai



Aus F e regres m-nepres rogerteurs obpague, to dim # = m.

B) november:

busine busine moserning of the Bly upopular

simple busine = min & 1, dimp & y.

o Bouc possephoct:

HFCIR ~ F + P e b cumi dim HF = dim F = dim BF

(gov. no ctp. 50)

Xoyceoppoboto possephoct, gomente a rophoto sorce possepho ct he conformatist non on manuageon tookedo proseque.

Aus an mysba bresson Mly TAX. (LTp.50)

Bel pontonuere reometput, 2 mone coba monot fail possenemgat meto exhibonetetem and 3 5- min munyoba spryma my Thx.

The perme 3.5

Howare the copagnetic et et e 70 people "pagnone cates", re
e zagermentenne ga dége : ... To tanne trechep zates, r.e.
tulna 2 torm, komp ga ce hampat begtes u varja
nomotiens na copogaque ct.

## Doyra geformingen na Konjegopobota pazneptioci: (17)

Ja F C IRM, Henra:

Has (F) = 1 h f S Z / Wils SWide uzopours nonputul na FJ

Toroba Kayegopphobara pasmeproco ce gaba ot:

dimer = inf SSZO: Hos (F) = 0 f (CTP.51)

Aus  $F = \emptyset$  Fi, we get of File resometion be can nogotion that Fitto c mought of, toroba April yearship to Fitte the repensional Menons, to  $S = \dim_{\mathbb{R}} F$ , we get o zo  $S = \sup_{i=1}^{m} F_{i}^{S} = 1$ Aprimen 3a uzwenstone to  $\dim_{\mathbb{R}} F \Rightarrow \exp(-52-53)$ 

Degra exhibonent teo este na Xoyegopgoppoba pazneptiocs:

βνικτο 30 ποκρυθονα go uznonslane opouzbonna meromentea U: c guaratep  $0 < |u| \le \delta$ , monom go uznonsla wante g  $B_s^c(F) = \inf \{ F | B_i | S : \{ B_i \} \in \delta - nokeputue κα F ερεχ wenta g

α τοπο <math>B^s(F) = \lim B_s^s(F)$ . Οτεοδο ωπορια κριτυτια

σου στη διούτο ce πρεικοτιά οτ Dο το D.

Aus Flide J-norphrue na F, to {Bi} e 25-norphrue na F une Bi obsoprime Ui.

Toma: ZIB:15 = E(2/4:1) = 25 E/4:15

 $305_{25}(F) \leq 2^{5} H^{5}(F)$   $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ , ot users  $305_{70}(F) \leq 2^{5} H^{5}(F) \leq 2^{5} H^{5}(F)$ 

trigo songradone estranda pasneproct, le zabu cumo same uz sonstane or bopen um sattopena musuectos.

net measures & Binory intervals -> CTP. 54.

85(8) = MS(8) = 254 85(8)

which o she

Marie and Marie Addition of the Control of the Cont

Nema 3.8

Kena F e tempolos corporarens u FCIR.

Toroba dimpre e temporarens

Thepselve 3.3.

And FCIRM to dimpredim MBF

Banne dim F = dimmer = dimmer = dimpr = dimer

Gregerene, 3.10 Hem FCIR e commont a Time (FNV) = dimpF & Muon V, npeurouso F. Toroba dimpF = dimpF

Mo-douerra gero, no posmephocarra: CTP-57