Takulin Phiogram.

Smoly of Sypas X > X, somethis + menons cop Uhm din Xn > +20

Ham $1/\frac{1}{2}$: (r_n) upon of pis val hours.

(I) $r_n/f_n \rightarrow 0 \iff S^n(r_n) \rightarrow \infty$ (one pi space)

(II) $r_n/f_n \rightarrow 7\infty \iff S^n(r_n) \rightarrow \infty$ dissipation.

(II) $r_n/f_n \rightarrow 1 \in (0,+\infty) \iff S^n(r_n) \rightarrow T^n_{n_2}$ $T^n_n = (\mathbb{R}^n, ||\cdot||_2, \tau^n_{n_2}) \implies \text{dissipation}$. $1^n_n = (\mathbb{R}^n, ||\cdot||_2, \tau^n_{n_2}) \implies \text{dissipation}$. $1^n_n = (\mathbb{R}^n, ||\cdot||_2, \tau^n_{n_2}) \implies \text{dissipation}$.

I deurs: drom & dre dom (ohnsahle dom)

X mm, hoo.

dim (M, -h) = inf & diam A: AC x, Mx(A)>1-ks.

also diam (x,-k) = up diam (f. Mx;-k).

+xx>IR 1-up

to Mx(A)= Mx(f'(A)), ACIR.

obsdra vendene mercain inte-

other (tx;-4)= tohadion (x;-4).

(berry Milm): obselien (x,-k) -> 0. V h > 0.

Shi & levy Luch xn - D & puir.

"Any 1-hip from fr: xn -> 12 & alunt cum f lone"."