C. Sermeni Antrosio-kirchheim's hee 2. "lumente en Metric Spaker". 24/02/2015. Reall: Colon of spaces: Integral Convent Squates. (X, d, T) Share (X,d) is a metric space. Time and integral amount on X s.t. X= set(T).
Tencoles orientation and weight in X. contably Hom rechfull - so they line bihipselist . charte, but shouldn't we Alar Hon Chents. Open question: What which lade and Current Gross.
Surhefying CD(K,N) in RCD(k,N)? (w.r.t $\mu = 1/71/1$ xhars measure). · Historical Review Federar-Floring (Sunda 1960). Monnifild. Cf. Mr -> RN (oriented) WANT. IT'S ω ∈ Ωm (RM) m-diff fm, T(w) = of [Imile= [4 ww. If w: & dTin -- a down, thm. 4 [IM] W= Smfor d(T,04), ... , d(Tmore). well defined for hipselitz 4.

To I weather as wouth if Tow > Tw fall w E. Ca (sm (RN)). himite of submanifolds of intent for F.F. Restfithe - Curant / luteger). T(w)= Z di JAYNW. Ai C Tim Bond, 4: Ai -> The hipselists, Di Integer woments. Mas: M(T)= 2/0:1.4m (4:(A:)) y 4:(A:) n4:(A:)-9 une complicated it mut like of cancellan. Burdens: $\partial T(\omega) = T(d\omega)$ $(C_{\sharp}T)\omega = T(C_{\sharp}^{\sharp}\omega)$. WE ACC (IRN-1) hotegord corner: In outeger restifiable corner whose holy is also integer restifiable. Theorem: If T is integer rectifiable and MAST) 200, then.
The integral-The: M(Ti). + M(Fi) & C < x, then a subseque conguer weathy. Conjustness The The limit is also ruterral current.

Them that commence and weak convergence agree. For Plateau poblem, concial thing: Ti ST weakly, then liminf M(Ti) 3 M(T). · Ambrosio - Kirchheim. Currants on Complete metric spaces. What is a diff. form? De Giorgi mil tryles; (f, Ti, Tm), felip, Tiehip.

had hipselvitz. Space Dinel. dw = (1, f, Tin). WARNING: difo, and there we not alternating. φω= (fof, ποφ, -, Tmoy). defined for U: Z-> W Metic functions: T: Duri ->TR, T(2014) & T(2)+T(4). $t(tn) \in +T(x)$. $t \ge 0$. T(w) = T(dw), 4 Tw = T(4w). "Finite Muss" if fr sm pr finde and But in Z.

(3)

Moss Meanne: 1171 (A) = M(A). Shore je is the smallest measure sidisfying Mars M(T) = 11T11(Z). Where Z is the whole space. 11 9#T1 & (hip4) " 4# 11711. Def Tis an m-current if (I) Multiliner in (f, Ti, , Tik). tim $T(f, \pi_i, -, \pi_n) = T(f, \pi_i, -, \pi_n)$ (Note of lixed). (to). T(f, T1, -, Tu)=0 if I.Ti 1.t. Ti = cont on who [f=0]. Impertity: product male; chain rule, centimisty

chair fi > f in L'(Z, 11711), shayer locality

Phodut $T(1, \{\pi_1, \pi_2, ..., \pi_m\}) = T(\{1, \pi_1, \pi_2, ..., \pi_m\}) + T(\pi_1, \{1, \pi_2, ..., \pi_m\})$. Chain $T(f, 20\pi_1, ..., 20\pi_n) = T(f det \nabla^2, \pi_1, ..., \pi_n)$ if $2 \text{Ecl}(m^m, \pi^m)$. (at the livel of the)

fights. As a conquere, alterator prop = T(t, Tecar) = (-1) ign(o) T(t, Ta, -, Thm).

MM There properties are through the current. Not.

Intrinsic prospertes of the melulying space DM+1. Def T is an integer redsfalle warrant of a Complicated.

But fulling therem in helm:

T is an integer neets falls if $\exists \mathcal{C}_{i}:A_{i} \rightarrow \mathbb{Z}$.

his hipschitz $A_{i} \subset \mathbb{TR}^{m}$ Bunel, $O_{i}:A_{i} \rightarrow \mathbb{Z}_{+}$ are B_{i} At. Note: M: 77 R.

Viste: M: 77 R.

Trod: Ai CR" > R. The ITH = OTHML Sett). , Set T = Prez: Liming ITT 11 B(xxx) Major 4h.

Life 12 2 sup St. W (6A). R perullehaped for approx tayor for approx tayor plane to set T. Area factor, due to Frader Afrit -> Some tangent.

Plans way be Endedon, Man way not. Ale get ? Integral counts: Budegor rec. + ST put me. Tint out, MM(37) 200, Tivtegul. Compartness, hut Werrier mms Flation hut Werrier puns Flest & Well.

