Penles - Conveyence of Alexa years. 20/01/2016.
GH commengene.
Det (X, dr), (Y, dry) compact.
dgu ((x,dx)), (y,dx))=inf { dH(y(x),H(y): 4: x > 2, Ey> 2 isomerically 3.
Det. (X, dx, Tx), (Y, dy, Ty). n-dim intrement spans.
dr ((x,dx,Tn), (Y,dy,Ty))= mf (dr (Y+Tx, FTy). 4:x-> 7.) 1 Sometric enhedding)
Example: X; = With In R? . dength distance.
xi St W
See Mus GH + IF.
Somani-Wayer, Munn, Mateur-Portegies: GH=IF. When youry office love Bond or non-wallapsing.
Benahs: GH distance don't pretere distance di monnion (Hans). of is not stable, M; GH X but X is not u. myld.
· It comments "mesures dimension"
(x;,diTi) > (x,d,T) = ethr 0 cerror p. ().
in int curer sp. ().

Anh (M, 9), T(w) = Iw integration of top forms. Det. Currout (Ambroso-Kircheim). Z met space-T: D'(Z) = hip (Z) x hip (Z) " -> R, multilinen. 8.t. Fransfes the follows: F) T(f,π)=0 if for upon for which πilm)=0. VakeU and froin W. II) Tin oh wiret. Ti. II) . In finite Borel fushin S.f. V(4, TI) 17 (k,π) 1 € π Lip(π;) f. H dy. The smallest pe is doubted by ItA (measure of T) Ex. A CRO Bond, OE L'(A,R). Eroll. In (Rr) ->. Def Ruchfund 4: 7 > W hipschitz, 4+ T(4, 17) = (for, 17,04, 97,04) Bondens operator: TEDM(Z) -> PR, ST: Dn-1/2)-> PR. $\partial T(f,\pi)=(1,f,\pi,...,\pi_{h-1}).$ $(\partial \partial T)=0$ Since condim (I) in $de^{(2)}$.

2)

Def (lutiqued current) het The an n-dim. curran a Z, then I is an internal commer if I'll. Air R">2 hipschitz Ai Burel, 4i (Ai) mut. disj. FOI EL (Ai, Mulos) T= I'm (Ai, Kroil). Mass M(+)= [(m(4:=[[0]]). Def (Sormani - Wanger) (x,d,T) no int-cumit sp. T jut were their Sari Spis LAT armer (4) Set T= X when & Set T= {nex: limity MTH (B(n,v)) > 0} Ex- (lutin six floor dist). (W, dx, Tx), (Y, d, Tx) 1 df(Tx,Ty) = Inf & IM(W) + IM (W).

2 1 1 - Ty. The (Nommhi, p). (Xi, di) E Alex" (k, D) sit. IT; current with neighbor = 1. (ie 0; = 1). C.t. (X,, d,, T;) integral current spaces with IT; = 0. Then eith (x;,d;,Ti) GH wlapses w. I subscripting. for which Gift = IT. limb.

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