

Stat spaces: · Austrant or limits.

· Generalize the notion of isolated comment

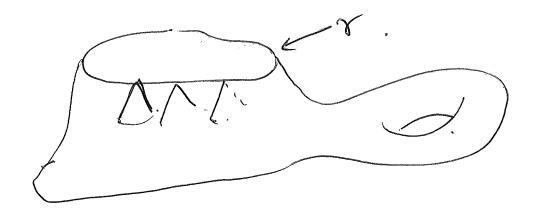
Simple ities.
Smelved in topologiet, many people somple examples of that. spaces.

2 d (mes: . s'x [0,2] dv2 + (\frac{\d}{2\pi})^2 \cdo ^2 do^2.

· 232, Endiden une, curabre 20.

° × >27, morre 60.

- Non isolated conical signilians, song long a one V.



Manifold un souple edges:

5d CMM, PEJd, Mpc Bd (E) x C(Z). 7 cput Score.

Dof" (X,d) compart metric epace is called Snarfæd if it admits the follows decomposition X = NLIS Dergeler, I-timpular, "Emflet", o Se cos end deve in x. · Z= Wh ZJ ZJ smoth whol; dim EJ=J. · $p \in \Sigma^3$; $\exists up \simeq B^3(E) \times (Z)$. 7 8mifred spece & LINE. publin, Pringidentis can be nested. Metrics: Induction on n: , g Rein in st, " roset to \$25 g=h+ dv2+v2les.

R5 Rsim. 1/2, metric on Z. $v.\Sigma^{n-2}$, $p\in\Sigma^{n-2}$ $up\subseteq B^{n-2}(\epsilon)\times C(S')$. I Codim $g=h+dv^2, l^2/(a)v^2d\theta$ I condition $f=h+dv^2, l^2/(a)v^2d\theta$ I ample of Z. (2) Seb. Spaces & curabe bruls: $W'^{2}(x) = \operatorname{Lip}(x) - \operatorname{Li$

The (M, 14) (X", 9) Munified space " Ricg > n-1." >> Yf ∈ W',2(x), Volugio) 14/1/2 = HA/12 + 4 March 11/2. Privas results: This (S.Ilias 136). Same for epet. D. Bulm 194.

X,d,m) m(x)=1, h governt of. le diff. Jennigrup. To The Carer du champ (M,9) Thy, v) = Edu, av) Det. L Surpris BE (a-1, n). if T2(6, +) > (L+)2 + (n-1) 1 dfl? (Mple) n-1: BINH2 - (dAd, df) > (Af)2 - (m-1) T(6, f) The (Baling) h satisfies BE (n-1, n) > hub rincer. VfcoD(L) . Speeml gap. - Bocher iney. Ma. integration by facts.

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If of Sh. Enequality. (Def (x1,9) is 8.4. Ricg 2(n-1) if (I) thing 2.(n-1)g on 2.(II) angle along 5^{n-2} . $2 \le 2\pi$. (I) Speeral gap: Th (4,14) (X,9) smr. Ric 2(n-1) >> 1 (Ag) 2 n. chyle heeldin & geometry of the links. enter the picture here? · Shoots regularly by AY = AY. · le int-of fors: Bodon 420 Non +n = mf-1. · P c2n/n-2., vo herr mo in Selo inegr. En int las purs . Bochon inen. => 70 & 4. (##1). Geometre Consequero: This (M, 15). diam X ET, and the follows ever lymin! 1, (Ag)=n : 4=> dian x= to extremel his h The A(Qg) = h (X",9) \(\hat{X}^{n-1} \nabla (o, \pi), \cdot + \ring{\partial}{g}). (\hat{X}, \hat{g}) simb. Space. Of geodesic flow. to cons at singular pts. (12 n(n-2) The now, 2/12 (x). & = e2ng, V(x,[q]) = jut [Seula dra (