Po(c)) Eo(c) != {L∈ Po(c) | ∀n21 Lⁿ = 1c { E₁(c) != {L∈ Po(c) | log J(1., Lⁿ) = O(log n) as n→∞ {. The Euclidean dist. on Po(c) Ruk 0 C: sm => PCC) = Po(C) ". @ PCC) = Image (H'(C, C+) -> H'(C, Oct)) >> LEP(c), Ladmits Hat conn ? D. @ E(C) = = F = nowher vanishing dored subsect of Po(C) 1) Mucheque (Po(C) \ E(C)) = 0. e.g. C! a varil cume with a node X $P(c) \cong \mathbb{C}^*.$ $P_0(c) \cong U(a)$ Set-up. X: sur surface c: a cpt curve with only notes. s.t. N/x:= [c]/c ∈ P(c) @ Fix. V : a small ubbl of C. s.t. Ca V. $P'(C,C^*) \cong H'(V,C^*)$ H(CC, OE)

H'(V, OF)

A generalization of "tyle" fr.

[Vela '83] Det ([Vela 83]) type 1. type (c, x); = max In=Z21 Our[[c]) @ OV Or([=]) @ OV I wel = Or (No) (A) (A)

Rale, type(C,X) does not depend on "d".
Rale, type(C,X) does not depend on "L". "type(C,X) = ∞ = [C] \cong Na along C.
12 Maly market
§2. Main resultes (4x): as abone.
Thu 1 Assure () type(C_1X) = ∞ (3) $iV_{YX} \in E_0(C) \cup E_1(C)$ (3) $iV_{YX} \in E_0(C) \cup E_1(C)$ (4) $iV_{YX} \in E_0(C) \cup E_1(C)$ (5) $iV_{YX} \in E_0(C) \cup E_1(C)$ (6) $iV_{YX} \in E_0(C) \cup E_1(C)$ (7) $iV_{YX} \in E_0(C) \cup E_1(C)$ (8) $iV_{YX} \in E_0(C) \cup E_1(C)$ (9) $iV_{YX} \in E_0(C) \cup E_1(C)$ (10) $iV_{YX} \in E_0(C) \cup E_1(C)$ (11) $iV_{YX} \in E_0(C) \cup E_1(C)$ (12) $iV_{YX} \in E_0(C) \cup E_1(C)$ (23) $iV_{YX} \in E_0(C) \cup E_1(C)$ (34) $iV_{YX} \in E_0(C) \cup E_1(C)$ (5) $iV_{YX} \in E_0(C) \cup E_1(C)$ (6) $iV_{YX} \in E_0(C) \cup E_1(C)$ (7) $iV_{YX} \in E_0(C) \cup E_1(C)$ (8) $iV_{YX} \in E_0(C) \cup E_1(C)$ (9) $iV_{YX} \in E_0(C) \cup E_1(C)$ (10) $iV_{YX} \in E_0(C) \cup E_1(C)$ (11) $iV_{YX} \in E_0(C) \cup E_1(C)$ (12) $iV_{YX} \in E_0(C) \cup E_1(C)$ (13) $iV_{YX} \in E_0(C) \cup E_1(C)$ (14) $iV_{YX} \in E_0(C) \cup E_1(C)$ (15) $iV_{YX} \in E_0(C) \cup E_1(C)$ (16) $iV_{YX} \in E_0(C) \cup E_1(C)$ (17) $iV_{YX} \in E_0(C) \cup E_1(C)$ (18) $iV_{YX} \in E_0(C) \cup E_1(C)$ (19) $iV_{YX} \in E_0(C)$ (1
(3) iNgx & Eo(C), where C > C: Not c.
Then
[C] : flat. on a abbl of C.
Thun [C]: flat. on a abhlof C. (ie. [c] = Na. around C) Cor
Cor (D~@ =) @ C admits a padflort ubbd system. @ [C]: 5emi-positive 4.
@ [C]: Semi-positive
Then C: tree and type (C, X)=n<00
Then Then
D \(\tau \) \(\tau
D HX ∈ (0,1) cR. Y P: psh on VC
with. I(p) = o (dise(p,c)-1") as p>c.
ZM∈IR s.t. I = M. and C.
€ Het-2 fe ∈ H°(x,[c]) ! canonial one
Ife : a min. sing metric of [C].
(i.e has min. sing, among (h: s.H.m. on [C] (xi Op 20)
(⇒ [c]: not s.p.)
32)

No.
Date · · ·
Than 3 Assure C: "cyde", Nox & P(c) Po(c)
, type (c, x) 24.
Then ©
(I) \mathcal{D}^{α} holds for \mathcal{L} s.t. $\mathcal{L}(\varphi) = O\left(\frac{1}{2}\log\log\varphi, C_1\right)^{2\lambda}$
Rule @ Veda '83. : That and corse of C:5m, O. Q holds.
1) Veder 91: (C) (D) holds for C: a varil cum with anote.
Next Pour type = 00)
(37) $(0, \mathbb{Q}, \mathbb{Q}, \mathbb{Q}) \leftarrow (0, \mathbb{Q}, \mathbb{Q}) + argments in$
[K-13], [K-14]
33 Application
$P_{i} = P^{2} : Ppts.$
Take Co CP2: a curre with deg = 3. St. Co > 1P-19
O By applying Thm 1, 2, 3, we can betermine a min. sty. of K_X^{-1} $(X = B(pp, qP^2))$ The property of the standard standar
except the case where Co: with only nodes and Nex Elo(c) \ (Eo(c) \ E(c))
eg. (C:=(F1)Co) Op2(1) (co) (C:=(F1)Co) Op2(1) (co) (C:=(F1)Co) Op2(1) (co)
Tit Ngx e Eo CE, > Kx is.p (Veda, Blundla.
Generalizanto the case of co = 6. 8 [c] (generalizanto the case of co = 6. 8. [c] (o; with some nodes.
MECUC = 1 64 Gad
Thm 1, 3 PN & Po(c) => Kx 1: not s.p. (min) (ov = 1piq CP2 s.c. Kx 1: net, howeve it is not s.p. #0.