lo.

Date

X: sm. proj. (surt) L: hol. 1.b. /x. 1. Linet. CCX: curve L.C 20. · L:s.p. = sm. Herm. wetric .n L.

S.t. Fill On 20 1. @ Known results @ Lisp => Linet. @ L:net \$ L: s.p. e.g. (D.P.S) Question Assure (OL= A (D) Ox (C)

(QC,(Llc)=0 Sm. hyp.surf When does Ladmit
sm. Herm. metric w/ s.p. currature? (D => Llx.c : s.p.) (D => Llc : s.p.) (D+Q=> L:net)

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| 181. main results | - |
| § 2. examples. | |
| 83. Outline of prts. | - <i>[</i> |
| | P |
| §/ Main vendes | م |
| | |
| Thm A (Arkiv/1312.6402) | /* |
| X, C, A, L; as above. | نم ا |
| Surtane | . (|
| Assure (c2) < min 10, 4-49 9. | ام |
| where g = genus et c | (|
| Then L! s.P | ~ |
| ThmB (Arkir/ (405,4698) | <i>e</i> |
| | - |
| X.C. A.L! as above. | |
| Assure $A = 0$, $(C^2) = 0$ | |
| Then Un(C, X) +0 (or it lines uppe" in the sea | nse) [|
| and control to the of year | ۾ اٿ |
| => L: not. s.p | |
| Det un(c,x) 70 | - |
| Set NGK (O) (-c) @ OK(-nc) # OKOK(-nc) | c) d |
| That ext. of Nex to a setub. nbhd. of c | |
| in) | X / 0 |

§2. Some examples [e.g.A] ... Zaviskirs e.g. P2 > Co : "sm. ellipt. carre. 7 | P1, P2, ", P12; general 12 pts X: b-up at fliggies. $C := (\pi^{-1})_{*}C_{0}, A := \pi^{*}O_{pe}(1)$ L: 5.P $L := A \otimes O_{\kappa}(c)$ (Thut)(e.g.B). ... a generalization of [D.P.S.) e.g. Co : c Sm. curve. E : a rank 2 - vect. bell /co. Figline boll /co. S.t. $\begin{cases} c, (F) = 0 \\ o \rightarrow F \rightarrow E \rightarrow O_{co} \rightarrow 0 \end{cases}$ $X := P(E) \xrightarrow{\pi} c_{\bullet}$ C; the section of R. The Ox(c):s.p (x) splits

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| Outline of prt. of The A | ξ" |
| Thm (Granere) | - <i>[</i> * |
| X: surt, DC; sm. curre. | |
| (C2) < -Mln 10, 4-49 9 | ď |
| =) = V: a nbh/ of c in X | |
| JVI; a noble of the O-section in Next | _ (' |
| S.t. V = V | - |
| | • 6 |
| @ Granerts than + a version of Rossies than | <u>-</u> فيم |
| -> L/v : s.p. co hi | <i>-</i> |
| @ Assumption >> L/Kic! S.P. or hz. | A |
| @ "regularized . unin." thi, hz 4 is a sm. Herm metric | |
| ou / w/co | - |
| on L m/s.p. carneture | 10 |
| Outline of prt of The B | |
| Thun (Vedr.) | - ! |
| (c,x); of fin. type, Un(c,x) 70 | - - |
| 1 10 < a < n | . C |
| Then Φ : constant around C . $V: a \text{ nhhd } o + C \text{ in } X$. $E(p) = O(\overline{dire(c,p)}at)$ Then Φ : constant around C . as $P \to C$. | |
| $(\phi', V, C \rightarrow K; psh, s.t.$ | - (* |
| Then \$! constant around C. as P-10 | _ |
| 6 1 = 40(x0(a)) | 7 * |
| C) IC - I (Chiuke-1), Canonical one | |
| h! singular Herm. metric on O((C) Wsp.com | ν. ₍ |
| (leda's) D:= lag (tc/h.; Constant around. C | |
| the - d tel-2; min. stug. metric | م _ |
| | //. |