	NO
2018/12/14(金) 14:00~15:00	DATE
@130×A模2階 A1.	
	rde of
(vatil cumes
Goal of this talk:	
Goal of this talk: Goal of this talk: Goal of this talk: Graphic of a 'rigidity"- type result for the of a (small) ubhol of a when c: a ratil curves Diff. (i) = 7, 1, 4,	0.41 54.6
of a (Small) who	GX STV.
4 cycle of	6 Sunf.
when c: a rath curves	c ~
1頭! ()= 7, 1, 4,	
· ·	
\$1. previous results. \$2. Main result	
1.53. Outline of the prf	
holly	
\$1. C' cpt cpx curve (reduced), s	: non-sling, cpx surt
Thm 1 (Grayer 62)	V /
$(C^{\ell})! = deg Ngs < 0 \implies C$ can be	Couracted.
C(sm) = C admits $C(sm) = C admits$ $2 or inbl$ $3 or inbl$ $2 or inbl$ $2 or inbl$ $3 or inbl$ $4 or inbl$ $2 or inbl$ $3 or inbl$ $4 or inbl$ $4 or inbl$ $5 or inbl$ $4 or inbl$ $4 or inbl$ $5 or inbl$ $4 or inbl$ $4 or inbl$ $5 or inbl$ $5 or inbl$ $6 or inbl$	a hol. tub. nbhd
Cism, genus (= V; nb)	nd of cins,
(= 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	of the zero-section in Nes
Tt 2 (Analy (71) 5.4.	V halo = sero-retty
Charles (100) Rule Rule (1c, Nov)	Cix.
Thm2 (Arnold 76) C'. sm. ellipt. cme. Euc (1c, Non) S.t. Ners & Pic(c): Dioph for no!	such V in general
1045 e sicco Wioph for n21	alipt. tibr,
adnits a hol, tub. nobby	Servés e.g. Veda's e.g.
	14:10- KOKUYO

 \Diamond

	("gaverdizatin"
Than 3	(Vedor (83)
1	

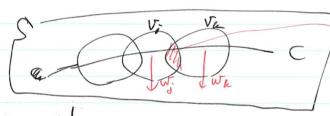
C! opt, non-sing, (c2)=0, NGS € Pic(c): torsion or Droph.

Assure $\forall n \geq 1$, $"Un(C,S)"=0 \in H'(C, NGS)$ holds.

Veda's obstruction class

Then FV;4: open cov. of a nobed of c. = w;: V; → C: hol. Lef. func. of Vin C

S.E. = tike U(1) != | tec | |t| = 14, Wi = tike we on Vik



ta. wa = w; + ---. (cf. top. tolv. hol. 1.6/ gpc (ca)

Siegel's linearization thm, ('42). f(w)=1.w+h.o.t.

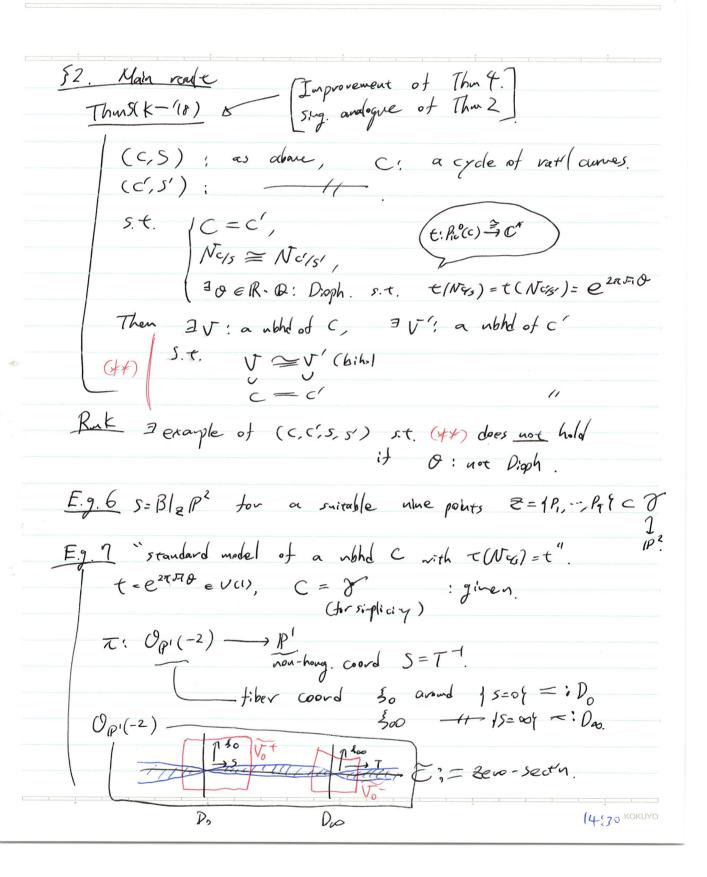
10 We = traw; tho.t. linealize Thus.

[Ueda 91], [k-17]: Singular analogue of this. for e.g., (*) holds when $\{N_{e,s} \in U(1) \subset C^* \cong R_c^\circ(C)\}$

! Pieph.

(st. H'(C, Nys) = 0 in this one.

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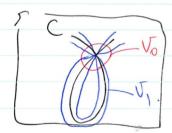


 $\widetilde{w}'_{0}=5.\frac{1}{5}$, $=7.\frac{1}{5}$, $=7.\frac{$ Vot := \ ISI < ε, (ξ.) < Vio= a small not of C \ 15=0,00%. $\overrightarrow{V} := \overrightarrow{V_0}^{\dagger} \cup \overrightarrow{V_1} \cup \overrightarrow{V_0}^{\dagger}$ $\overrightarrow{V} := \overrightarrow{V} / \sim (5, \xi_0) \sim F(s, \xi_0) , F(s, \xi_0) = (\pm \cdot \xi_0, s)$ $\overrightarrow{V} := \overrightarrow{V} / \sim (5, \xi_0) \sim F(s, \xi_0) , F(s, \xi_0) = (\pm \cdot \xi_0, s)$ $\begin{array}{ccc}
\dot{c}: \widetilde{V} \to V : 2^{aot}. \\
c:= \dot{c}(\widehat{c}), & (\to t(N_{c/s}) = t)
\end{array}$

Obs in Fg.7, Lee $V_0 := i(V_0^+) = i(V_0^-)$ $V_1 := i(V_1)$ $V_2 := i(V_1)$ $V_3 := i(V_1)$ $V_4 := i(V_1)$ $V_5 := i(V_1)$ $V_6 := i(V_1)$ $V_7 := i(V_1)$ $V_7 := i(V_1)$ $V_7 := i(V_1)$

83. Outline of the prt of Thin5.

(C,5): as before, C= of for simplicity. $t(NG) = e^{2\pi i + iQ}$ -> construct a upld as in E.g. ? 1.



To:= Vonc, U;= Vinc,

Vot: 2-copies of Vo, Vi := Vi.

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V == Vot U V, U Vo-/~~ (univ. cov. of). Si-ple calculation \longrightarrow $(\tilde{c}^2) = -2 < min 40, 4-4g(\tilde{c}) 4$ [Grown T'62] V can be embedded in Opi (-2) @ S=T-1: non-hong. coord of & S.t. $|D_0 \wedge C| = 15 = 01$ $|D_0 \wedge C| = 15 = 01$ as were funcs @ Cohsova'84] >> One can extend S=T-1 to F (if by showly ides) S.T. Do= 15=04, Da= 17=04 (4:5 5 KOKUYO

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Thu 4) = wo: Vo > C): local Let temofrons on Vo's, s.t. $w_1 = \int_{-2}^{\frac{3}{2}} t_1 \cdot w_0 \quad on \quad \nabla^{f}$

W := | town on Vot | W : V - C : glob. def.

 $\frac{1}{30} := \frac{1}{\sqrt{5}}$ $\frac{1}{\sqrt{5}} := \frac{1}{\sqrt{5}}$ $\frac{1}{\sqrt{5}} := \frac{1}{\sqrt{5}} :=$

Then "deck transt." For i: V -> V

 $F(S, \S_{\circ}) = \left(\frac{+\cdot \S_{\circ}}{2(S, \S_{\circ})}, g(S, \S_{\circ}) \cdot S\right)$

for 3 g: Vo+ -> C+ with gco,0)=1

-> enough to show!

Them Prop 8 lin H'(V*, Ov*) Tester. H'(C, Oc): inj or equindently, line H'(V*, Ov+ (-c)) = 0

Shown by Siegel's linearisation technique 1,