On some analogues of Veden theory and their applicating a theory on the ubhl sev. of SCX.

cpx suball Cpx add

s.t (1Ns/)=0 of dinc=d+ of dinc=d S.E C. (N/x)=0. Ruk (5-nbhd) & bihatt (0-section)-orbhd in NSX) e.g.1 QT = c/1 = latice = Z@Z(cc.) hol. tulv. line bl | vonk 2-veox. bl (m1) exXi= P(E) ~~ T, ST: = the section of T. / 15=09=57 Known; P. NSTXT = 15T. If: V -> C; hol. d-t. Thun (Veda 83) (5, x); as above, Assure: NSX = Is for = n21 or of NSX (n (Pics)

Thun [S]: Hat aread S (5.x): of infin. uspe.

(later) Ruke when  $N_{5/k} = 1_5$ ,

we'll explain.

we'll explain.

we'll explain.

of S ( (ater) we'll explain. Goal of this talk; "codim-2 analogue of Clabis thm". X > 5. 2 Cd-2. Assumy . C: Cf.

Date

I fix = 0 for Vila, VISN,

g(n,n) = 0 for H, Vusn,

dik = 0 for H, Vusn Det Un, m (c.s.x):=[/(Vianc, gin,m))4] Fred H'(S, Non CON /5) Ruk  $V_{\alpha,m}(c,s,x) = 0 \iff f(V_i, w_i) \in i$  new system.  $S:t. \overline{W_i} = \overline{W_i} + f_{i\alpha}$   $Main vesult([k-16-]) \qquad fill = 0(z_i^{m+1})$  $\left(\frac{\text{Settly}}{\text{Specific}}, \frac{\text{Cd-2}}{\text{Cpeckin}}, \frac{\text{Sd-1}}{\text{N}} \right)$ Assure or = 121 s.t. Ngs = 1 e.

C: excep subvair. of S in the sense of = IV: c-nbhdin X st. Un (snV, V)=0. (2) bn,m, Unm(c,s,k) = 0 = IV: c-ubhdinx = f: V -> C: 'hol. Lef. twe of Vns Application to the Levi-that realization problem. The (Barrett-Inaba) Pela ala for Non-realizabling of the \$ co Levi-that realization. of. (53, Freeb) it. YX: cpx utd of dimex=2, F(: (5), Fresh) C X: (est wise hol, C emb

10.
Date · ·
Contractiz Torus (eaf.
Rmk & Read has a conflat holonomy along T " Veda's thin is meeted in the put.
Vega's thin is occuped in the put.
& holonomy-flatness U.S. Veda thing (Barrett 90)
X: opx mtd of dime X=d.
o
(M. 7m); Levi-flat hyp. surf, di-RM =2d-1.
L! leaf. (dimeL=d-1) s.T. LCM: sub model
tix 1V; 4: open cov. of L.
Then (Baness) F.A.E. Vazi On 3 (VinM, gi) 4; sys. of. Ji: VinM -> R:
On = 1(VinM, g;) 4: sys. of. J: : VinM→R:
Commers! S.t. St. S.t. S.t. S.t. S.t. S.t. S.t.
(SS = 3 = 0 (g. + 0 (g. + o)
on Vienty de
3n. = 1(Vi, hi) 4: sys. of. hi! Vi -> C: h. (
S.t. J. J. (hi/M) = o (/hi/m) La Vj.
obs the - 1(1)
holowy - flatuess > Un. On holds = OI holds
to Do holds Q1 holds
(Cxx): of infine upe. Nyk = IL.
@ Thu (Barrett-Inches) is should by using
Obs + Veda's them + Existence of an annulus leaf
Q We and Lockece from Obs + (Manneals) + - (1 the follow)

Thun (K-, Ogana) (M. FM); Levi-flat until of dimp=5. T.: towns leaf : the holonory along T is T.: torus leat

(N). AN) (M. AM); C2-enb. transv. to Phyleufwise hol (M. Zm); NOT ( levi-flat realizable 11 (RS, Freeb) (= C2xR-O/~); Reeb component, (#ADILY" L: "boundary (oat", x. 53x5'! Hopf utd.
U cpx
T: torus. [Della-Sala] .... V(M.Zm): (R5, Zeep) of L-nbhd E.j. (tito)to

opt. NOI Lew-flat Th- => V(-tr) (-tr) I-ubhd-t/ (T-nbhd) < L ... non corpect!

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