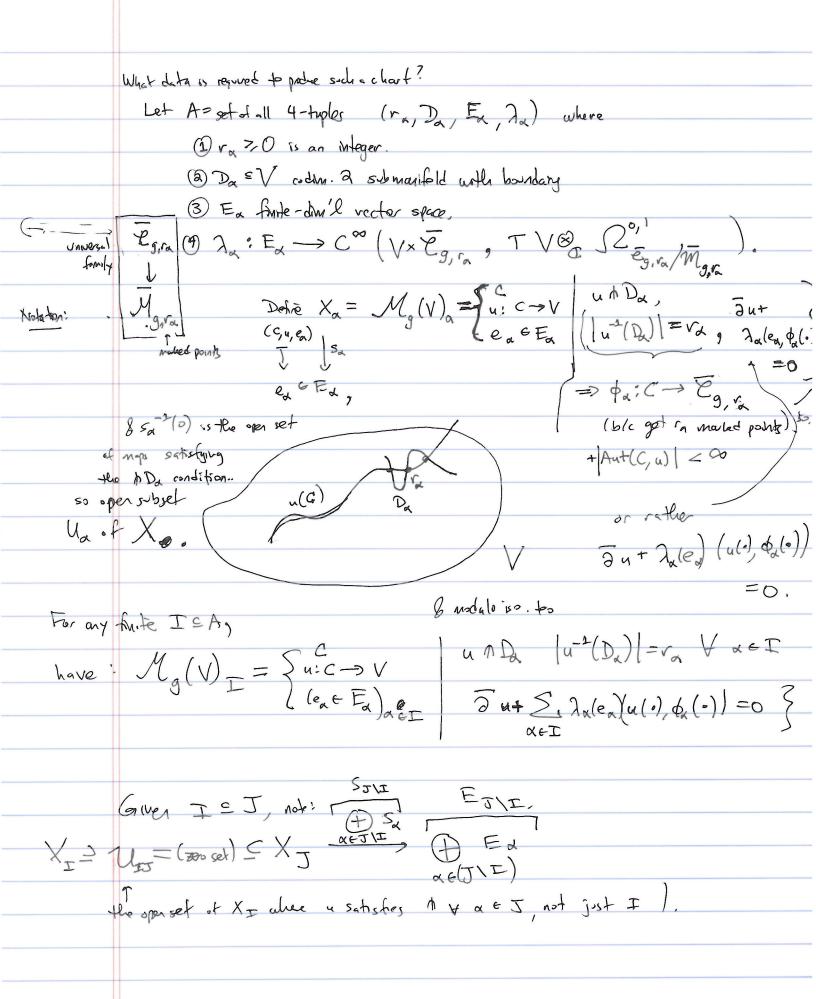
Implicit Atlases on modellispaces of holomophic cover
- Itel Marie spices
Toyrax: = vater builto. The shotten 5-2(0) is a manifeld and
Tf sho, then 5°(0) is a manifeld and
M mixid.
Ederchas, by def'n St JE Thomchus,
whose $J_{E} \in H^{dim} = (E, E \mid O)$ is the Thom class. It s × O, then LHS of (*) doesn't make sense but RHS of (*) doesn't make sense but RHS of (*) doesn't
It s X O then LHS of (x) doesn't make sense but RHS of (x) does
It's natural to therefore declare that $ [s^{-1}(0)]^{vir} = e(E)^n[M] $
necessarly AO.
Genethi: (N, ω, J) sympl. wibid of a.c. J . Define $M_g(N) = SC$ nodal Richann surface $\partial u = 0$ $u: C \rightarrow N$ $ Aut(c, u) < \infty$ $ Aut(c, u) < \infty$
$\left Aut(c,u) \right \leq \infty $
Locally, this space can be described as $\overline{\partial}^{-1}(0)$, where Burach bundle. $\bigvee_{k=1,p} (C, \Omega_{C}^{0,1} \otimes u^{*} t)$
Barach bundle. U W k-1, P (C, De, 1 & u*t)
u:c→X)= {u:c→X āu=0}
so-dim's Wkip (C, X) (rather, need to also vary the optx. stricter on C,
(Barach) mittle explaye the base of at least lorally near C).
Want to produce charts of the following form:
marsfold.
vedor space,
VI Sa Ed Godin Xa = dim Xa . UI with: Udin Xa = dim X + din 1
"thodened moduli space"



these structures can be axiometized as bellows.
Definition: X cpd Harrdorft space
A set. Then, an implicit attes on X with index set A is:
("obstration spices")
X_ usualy non-got & X_ spaces, I = A. (X = X) ("Anchered modulispaces")
(despite including mode) (3) Sx: XI -> Ex x = I. ("Kura nishi maps")
("footprint") ("footprint") ("footprint") ("footprint")
("footpant")
f "cord charges
EXTEG EXTOPON ("regular locus"), appears in Kurani
satisfying:
(a) SI YIJ = SI or rather Sio YIJ = Sa, QEIEJ.
3 UIJAUIJI = UI JOJI modebed on RAXIRK -> IRK.
(4) 4 = 1 (X reg) E X reg R x R x -> R x
\$ \$ SJIE: XJ -> EJIE is a topological submersion over 4IJ (X 109)
$A = (S_{\pm}) \times $
IEA
Briefly, one should regard the following as the "universel" construction of an implicat atlans:
$TL V = Su \Delta u = 0$ f. then
$X_{I} = \begin{cases} u, (e_{\alpha})_{\alpha \in I} & \exists u + \underbrace{\sum_{\alpha \in I} e_{\alpha}} = 0 \\ u \text{ satisfies some pertialar open condition,} \end{cases}$
$X_{I} = \begin{cases} u_{1}(e_{\alpha})_{\alpha \in I} & \alpha \in I \end{cases}$
depending on x y x & I
^
this condition belos give us "substitutes"
Rule: The grows here note no distriction between suitably.

I, or Jis for not of.

Given X with others A, and Y with other B, randefine the "product others" on $X \times Y$ with index set $A \perp B$ by setting $(X \times Y)_{T \perp T} := X_{T} \times X_{T}$.

Rimb! Instact of $X = 2^n U_d$ $S_d = S_d^{-1}(0) \subseteq X_d$ $S_d = S_d^{-1}(0) \subseteq X_d$ $S_d = S_d^{-1}(0) I_d$ $X = 2^n U_d = S_d^{-1}(0) I_d$