E. Murphy, Armed Arborect Singularities bloom legertims.

Thm: Let $L \subseteq \mathbb{C}^n$ be a prined arbored singularity, and $\Delta \subseteq S^{2n-1}$ its link. Then, A is base iff every constructible sheef a/SS. on L is constant.

Arboreal Singulation: (Nadler). Fix duescien in -

Start with a rooted tree T. w/ # vertices < dim +1

· root ~~~ Rnc C"

each additional vertex we \mathbb{R}^n_+ attached to all vertices below it. (w.r.t. adjusting)

whise frost disease)

(then multiply to strbilize by $\mathbb{R}^k \subseteq \mathbb{C}^k$

Exi (using frost dingrans)

 $\frac{1}{\sqrt{1+\frac{dz}{dx}}}$

Plane

(sing suched in [R3])

pelf inserted in fact, but immediately (b/c trussuese is ection, so and interest yellow).

M S

link: linkred of section at so)

(frust of link)

(asting a noti-

in 7's' < 53

1 M 1 5'

Paned arbered: An orbaned singlesty has whitney statistication. Those area my collection of corrected components of top din 2 stratum.

ex'

Though the state of the state o

I be maybe the any love - d. state when they're not convented to mything

Motivations . Any Lagin singularly can be defined to orbired (Nucler) · Any Wonstein his an arbeed sheleter (Eliosther Nadle Stateston) purson tagarcies, not surrobic (Attent smooth) (but there results creatily require more governly presed above survivations.) 1 / bose & But orectes free 2? (hores & \$1, so DL ~ DZ Rub: this is a surplar cusp, but it's as good as a smooth cusp St 1st smooth) for the perpen of loose legendous /h-pornaple. (duit mather, ble C'-closeness of fronts / Coloreness of lift is all that's relevat for h-principles). Context: Pleable Wenstein marshits. Than (Cietiebak Elushbey): If X, X2 are leade Wonstein mailelds, they d X, = X2 inducing on iso. TX, = TX2 as almostophe. then X, \(\sim_{\simple}\) \(\chi_{\simple}\). (wonstern htpic) If X is a Weinstein market, and X has a prince arbared skeleton, and each comprient of top. dom'll startum is adjacent to a singularity of loose link, then ~> X is flexible. Loose: each comparent of top state has (> 00 whomat is coffee direction). Rub: everthing, today in din >4, False Coy: If W(X) =0 then X is flexible. (gutitseens like about vesion of this conjecture is true)) = representations of T as a quiver. Thin (Nadler): Sheaves on orbereal singularity, associated to T are (sheef on 18° n/ 55-21 Legs).

