Neitzke, Oper-stong hunor Symmetry + Hotchis Ez.
Joint a ( D. Gaisth + G. desne 1103-2598
12,14 4020
Today: I. Diagrams for Extended Scaffering -
Recallers notes of and working that scattering diagram / K-und (network
B
Besh all some of 2 mills
each wall carries brataral map (C*)" -> (C*)"
The diagram is a bluepart for building a C-manifold.
(Kontsand-Subelman, Auroux, Gruss-Siebert, Gross-Hacking-Keel
I'll describe an extension of those diagrams
The wills of the extended dragon will carry standard.  accho, if fiducial to us  we fiducial vector bolle.)  for building ex, marifully of a bol- vec. balle
acche, & fiducial for
uf fileral rector bole.)
for building ex, marifile n/ = bol- vec balle
Uses:  (1) 2 11: Control of the symptotics.
(1) By studying a (suitable) (2)-family of such glungs, all states structures upgraded: 600
structues upgraded: Los
M becomes hyperliabler:

E becomes a hyper-bolomorphic

Des: A hype-hol. vec. bole on a the marker of C-5hr. My (JECP') is a v.b. of a unitary connector, s.t. the compte Fo is of type (1,1), for all SECP?. Caralogue of a Yang-Mills instantin: in 4-D case, says Fo anti-self dull. (some as hol- vec. bute on tist space, fried on each fiber of CP'/ Dean: use extended fragrans to make explicit examples of HK networks HH bundler. More likely: produce asymptotic forms by for them. (2) The HH bundles we got often come in families: Cetabudle over MxC poran 5 pace E.g. if C is colx- & diversional will find a solution to Hitchilis Hitchin ey: For E->C, exacts E U(K) bundle u/ connectius D & Hygs fel YGT (End(END). obeying: Joy =0 countly holomphic F+R[4,4t]=0 (R one scaling eg/). (usual Hitchin eg/1: R=1)

tigether with restriction of digran to come C. = called a Spechal network.

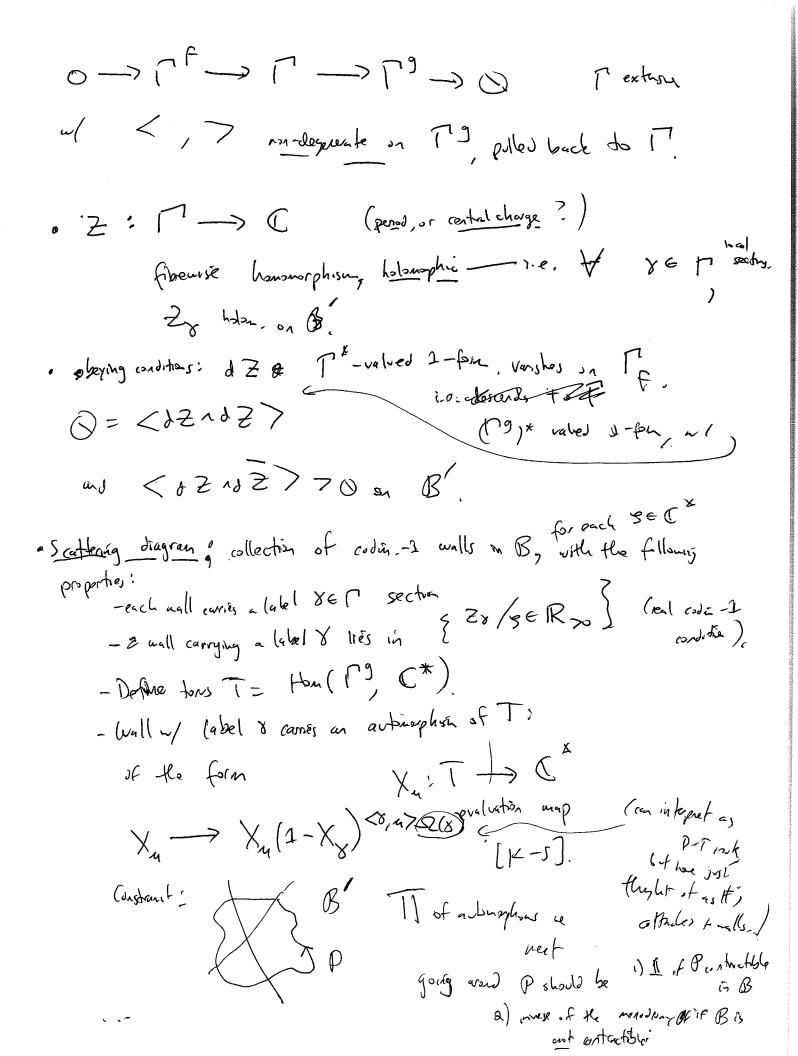
(Rmb: of case, M naturally fibred over B),

Data: Hyperkäher mtegrable system data:

B & G & GOD R' complement of a divisor B

· B (-upl), B' complement of a divisor B,

• bal system of (atthes over B,



E quedato bude

M

E, W = fiberoir quelation

Je H2 (E, Z/2) trusta cocreto.

F(M, 5) -> F (E, W) Ob)

mp = Mx = L.

mf fill-fither l function.