Towards BGQ S. Sez.

- 1. More about localization conceres
- 2. Limits of these, stick together a exact couples

Z -X clased U=X1Z

Ku(Z) -> Kn(X) -> Kn(U) -> Kn-(Z)

3.(?) Sovi-Bons V-retes.

Interpretation of localization seque.

Already Geen Port of these X renty Zex

k[u] Ladisch Z

Ko(X) -> Ko(X) -> Ko(U) codim1

7 [7] -> Pic X -> Pic U -> 0

pretent ently is alke.

in general, Here maps Kn(U) -> Kn-1(2) are "retired reside myps"
hybrassis folsos piles. e-y in limit, if we locally at the grap). IZ Ox (u) ox Ox, n ne Z yn pt. frac (Qx, n) Kn (face(0x,n)) -> Kn-1 (0x,n/mx,n) $K_{i}(k(x)) \longrightarrow K_{o}(k(x))$ KOS dive Killer)/2 ranen kos/e 2

$$K_{2}(Q_{x,q}) \rightarrow K_{2}(k(x)) \xrightarrow{2a} K_{1}(k(2))$$

$$y_{1} \downarrow_{2a,b} \xrightarrow{3} a_{1}b \vdash_{2a,b} \downarrow_{2a,b} \xrightarrow{4a',b} \xrightarrow{4a',b} \xrightarrow{2a',b} \xrightarrow{2a',$$

Notation

" (

Cohix - mcx

MZ(X) = coh shres on X expyron Z.

i.e. (supp (7) = 7

Fact Im hole

m(x) $\sim m(u)$ $m_z(x)$ $\sim m(u)$ u = x < z

Ba(m(x)) -> Ba(m(u))

has homology flor

Ba(m,(x))

all can stems in MZ(X) can be resolved by down to lead by alz

Devissy => K(mz(X)) = Kn(m(Z)) (m(2) = sheat of m2(x) of modules billed by l2.) les $|C_n(z)|$ $|K_n(x)|$ $|K_n(u)|$ $|K_n(m_2(x)) \rightarrow |K_n(m(x))| \rightarrow |K_n(m(u))|$ 1 Kn-1 (MZ(X)) let $M(X)^2 = fill subcert of <math>M(X)$ f can show F(X)cadin > 0 ex. $m(x)^1 \rightarrow m(x)$ Um 2(x) "Im" min) pros millo)

m(X) = all tosson modules. supply) codust = sunt + (0)

pmp mx X affre 7 F to f kills 7 Classic lacalyation i Rng SCRmill, shut MollP, Sotran) Mod(R)/Mod(R, S-b=) in analogy: M(x)/m(x) on: m(A×B) = m(A) × m(B) $m'(x)/m'(x) = \prod_{n \in \mathbb{Z}} m(O_{x,n}) m \operatorname{codim} 1$ $m'(x)/m'(x) = \prod_{n \in \mathbb{Z}} m(O_{x,n}/x)$ $m'(x)/m'(x) = \prod_{n \in \mathbb{Z}} m(O_{x,n}/x)$

In qualint /moux) $m(x) \stackrel{\sim}{=} m(x) \times m(x)$ $m(x) \stackrel{\sim}{=} m(x) \times m(x)$

 $K_n(m^{p+1}(x)) \rightarrow K(m^p(x)) \rightarrow \coprod_{\eta \in X^{(p)}} K_n(\kappa(\eta))$ Km (MPM (x)) $K_{\bullet}(m^{*}(x)) \xrightarrow{*} K_{\bullet}(m^{*}(x))$ $E_{1}^{p,p}=\prod_{x\in X^{(p)}}K_{-p-q}(k(x)) \Longrightarrow G_{-p-q}(X)$ $K_{-p-q}(X)$