Thursday, September 25, 2014 11:02 AM

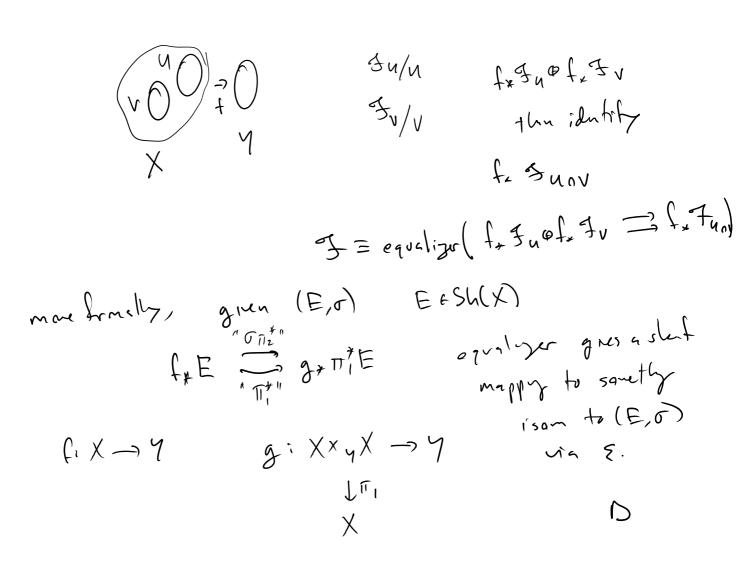
$$X_i \times_{X_i} \xrightarrow{\pi_i} X_i$$
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$$G_{ij}: \pi_i^* E_i \rightarrow \pi_i^* E_j$$

or
$$E(X \xrightarrow{t} \lambda)$$

$$(\eta_{23}^{\times}\sigma)(\eta_{12}^{\times}\sigma)=\eta_{13}^{\times}\sigma$$

Examples Prop 14 X to y how exection 5: 4 - X then X-7 Medic. F(4) -F(X-4) -F(Y) (E,0) -> 5*E
frothe direction; need to show $F(X\to Y) \longrightarrow F(Y) \xrightarrow{\epsilon} F(X\to Y)$ $(E,\sigma) \longrightarrow (s^*E) \longrightarrow (f^*s^*E, Generical)$
Exi Sheaves C gife, defre a filed catyony Sh (3,x) (2,x)-(7,x) (2,x)-(7,x) (2,x)-(7,x) (2,x)-(7,x) (2,x)-(7,x) (3,x)-(7,x) (3,x)-(7,x) (3,x)-(7,x) (4,x)-(7,x) (4,x)-(7,x) (4,x)-(7,x) (5,x)
Theorem if fix-99 a cong in Citatory to some desent morphism for Sh. Pf: Sh(4) = Sh(X->4) fully Caithful not bad trick is essential surj.
Sh(y) => Sh(x->9) tully tairment ments of the Sh(y) => Sh(x->9) tully tairment ments of the Sh(y). There is essential surj. Idea of essent. surj (gluing sleeves)



PC: Stetch's mie hx thy are topt sleves, or have Hom (x, y) = Hom (hx, hy) = Hom sh(s'-ss) ((hx), ocan), (hy), ocan) {f': x'-14' st. #*f' = #2f' }

Stiff for Sh works for modules too:

If Casite, a asled of mys on C get for XeC, a sleet tys Dx on Yx. ? Mod x = correspondet of modules (Ox-modules)

gres a filmed cat

MOD(x) = Mod x

gren (X,E) = MOD(X) < MOD

(4,F), a marphon (X,E) - (4,F) is a pair

v: E - 1 F & Modx

Thm it X > Y a courm C + Len Mody ~ MOD(x -> M) (eller desc.)

S schere, O natual preshed of mys defed by Quasi (obenent hogsbeine) bran 5. shere T, O(T)= r(T,QT) this is an Eppt sleet. (because O(T) = Homs(T,A's)) Qcoh(s) = cat it quelennt steens green Feacoh(S), can obtain a steit -t a-modules ma for This, Fright = P(T, 1*F) Leman If Fis q.coh. then Fing is a sleaf (tppl) Pt: know; ets sleet Lr big Zoiski s, fr flopf