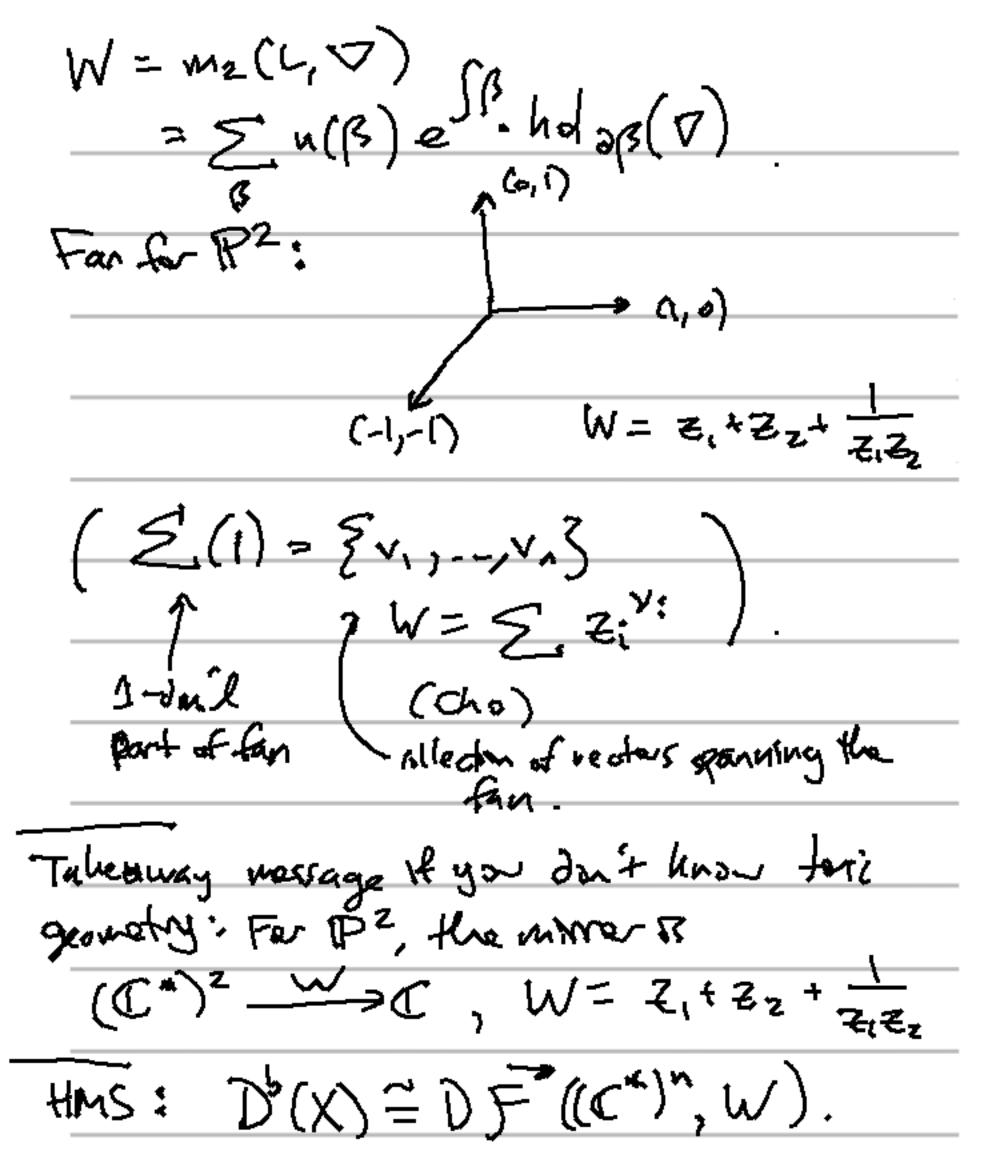
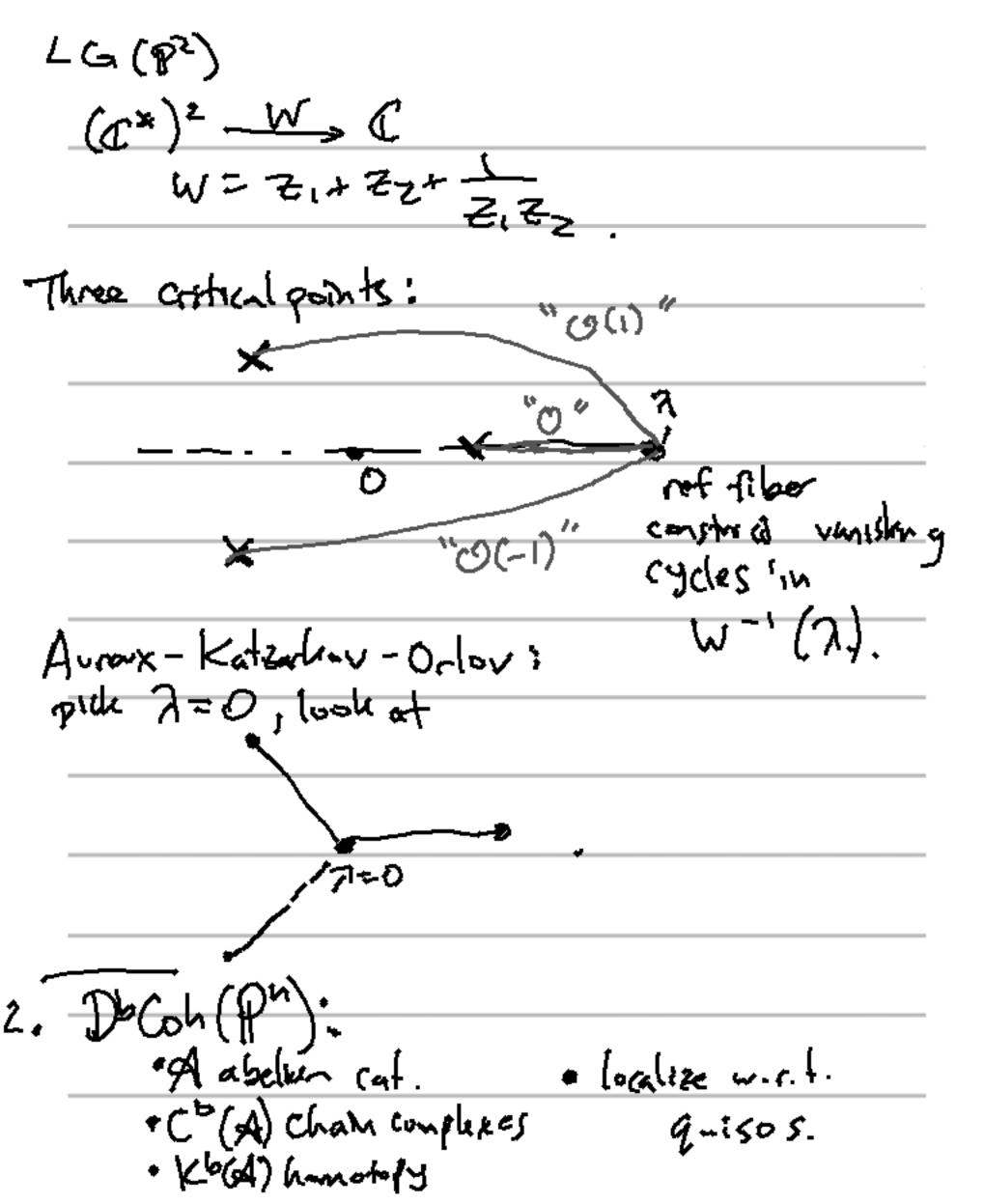
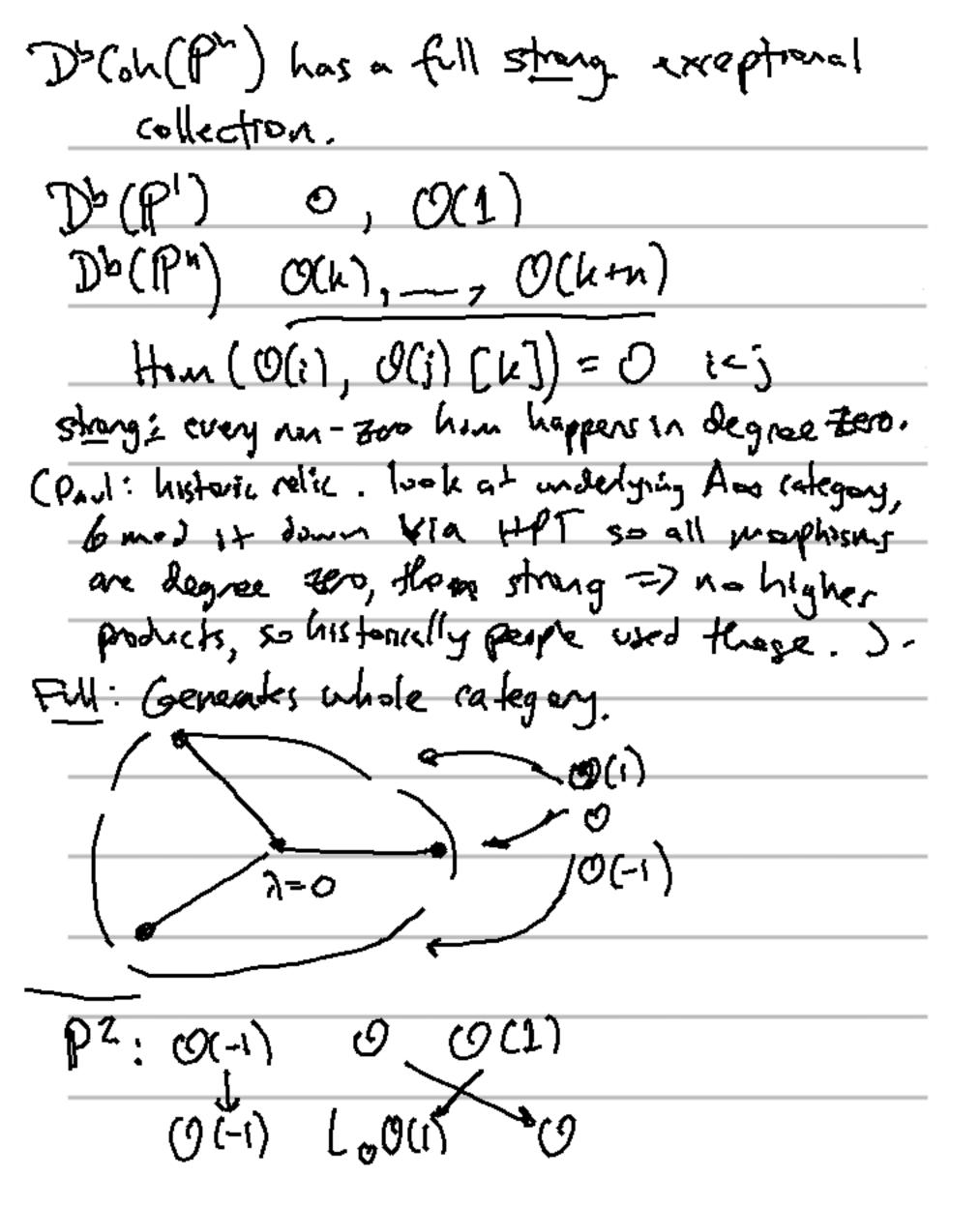
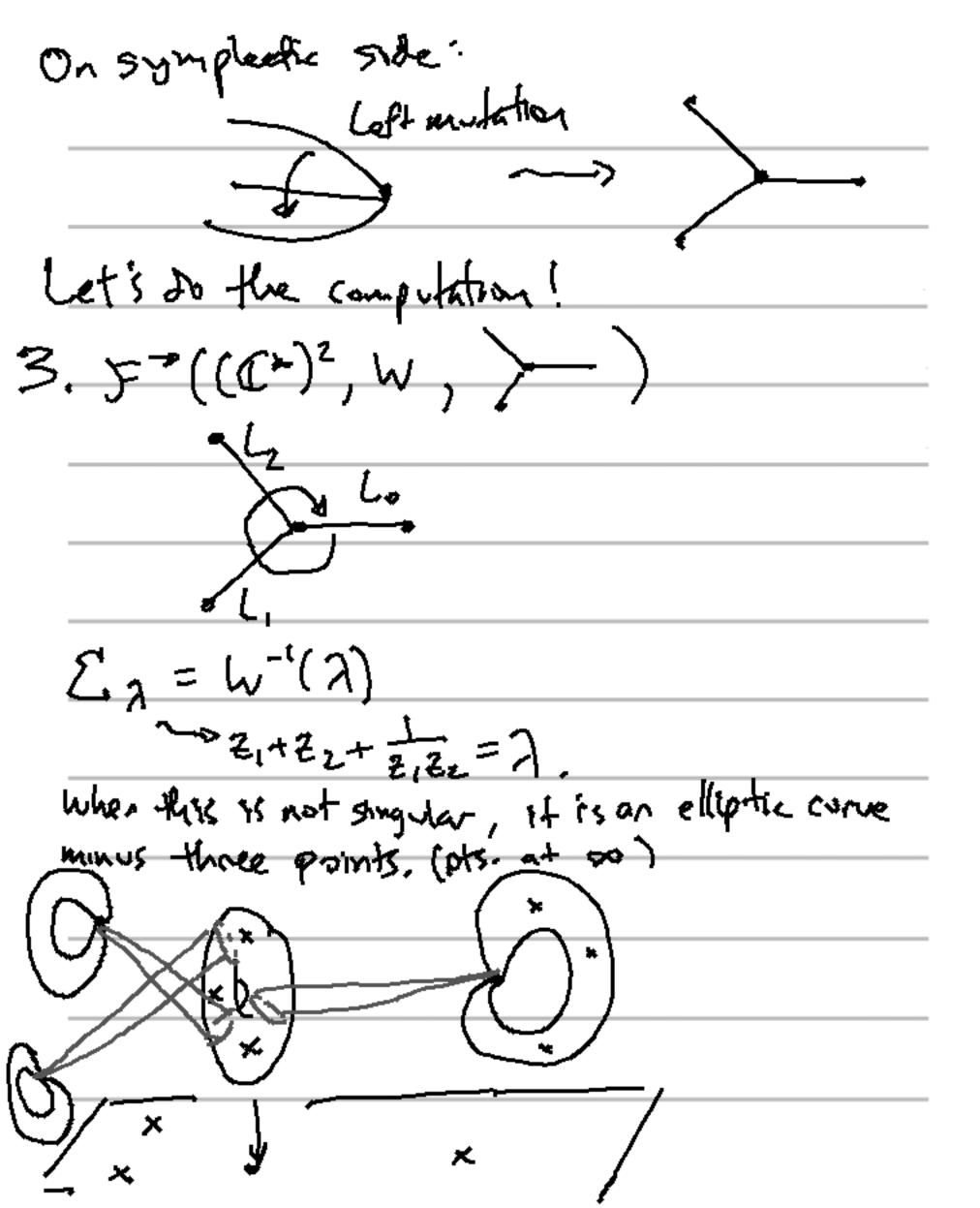
| Day 4 Talk 3 : 13 ohan, |
|---|
| HMS For Foros |
| 1. HMS (for foric Farros) 2. Do (P") |
| |
| 3. LG mroer - F P & J-5. |
| Paul: these directed File categories were introduced by Kantsonich) |
| |
| X Calabi-Yau |
| DFUK(X) = DbCh(Y) |
| HMS fortote Fanos: |
| X (sm=n) ~~ (C*), W: (C*)" |
| Ex: X=P2 |
| P2 (3) M= (L, V)~ |
| enticationial tests lest |
| Givisor = (x*)= (31) = (x*) = (31) = k = (V) (13,1-e k=1,(V) = (2) = k = 1.(V) |
| (13,1.ehol,(4), (22).ehol,(4) |

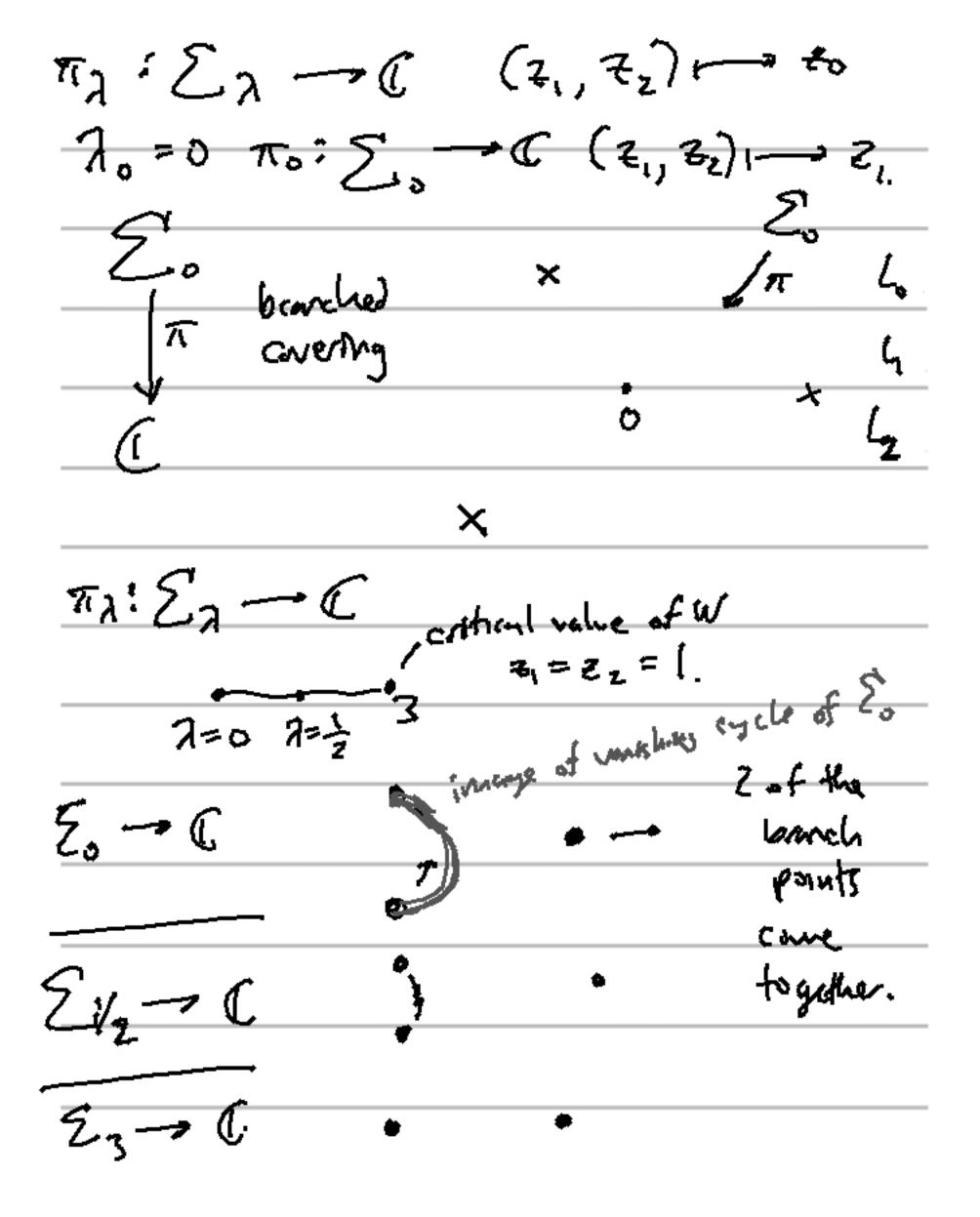


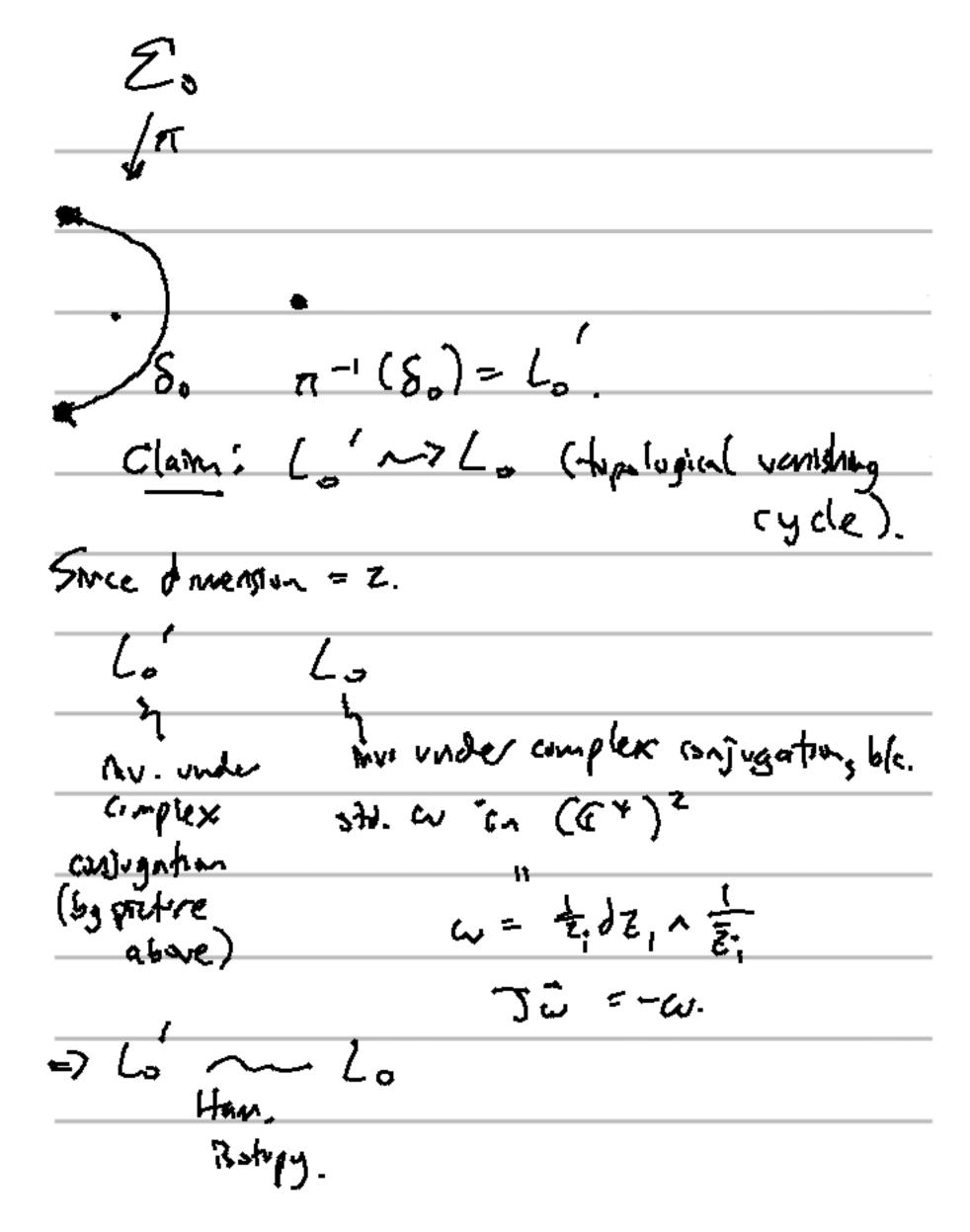




(0,00) 4m (0,00) 60 But weknow he (on (oh (p²) as abelien (at.) : Coh(P2): $\Omega \stackrel{\bullet}{\longrightarrow} O(-\iota) \oplus O(-\iota) \oplus O(-\iota) \longrightarrow 0 \to 0$ 1 00(-1) - 0 0 0 00 00 - 0(1) - 0 2'60(1) -000000 -0(1)-> Result: Hom(H:, H;) = /3-1







So, can replace to by to Recipi Signed areas bound by Lo, L. are the same, namely fin To ه به لاد الدي يد disconsion 2, they are (tan. is otopic.) (So, S, S₂). (L,',L,', L,') ~ Final picture: agreos D (P2) han (Li, Li) xod make an argument about higher products, -

| Questions: |
|---|
| John: F(X) seems to involve some /, but Db(X) doesn't. What's the deal? |
| Phil: Achally, if you do Db (x) right, its |
| a smooth proper schene over 1. |
| |
| Soft: Is there are a smill or statement when |
| F(X) has only Z/2-cooks? |
| Interesting questions arithmetic ospects are lead |
| to Interesting scanceros some-flues. |
| Minor symmetry does apply for Z/2 guded |
| things. |
| 4 |
| |