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NOTETAKER CHECKLIST FORM

Name: Mel Slore In Email/Phone: Mind a illinois edu

Speaker's Name: Victor Ginzburg

Talk Title: Gloretry of Chiver Varieties

Date: 9444 Time: 2:00am pm (circle one)

List 6-12 key words for the talk: Na Kajime guiver faut dog cap landles on quiver

Please summarize the lecture in 5 or fewer sentences: Ginzburg reviews (Nakajime)

9400 a faite subgroup of stage Mc Kay correspondice

Construction of tautological bundles on quiver varieties

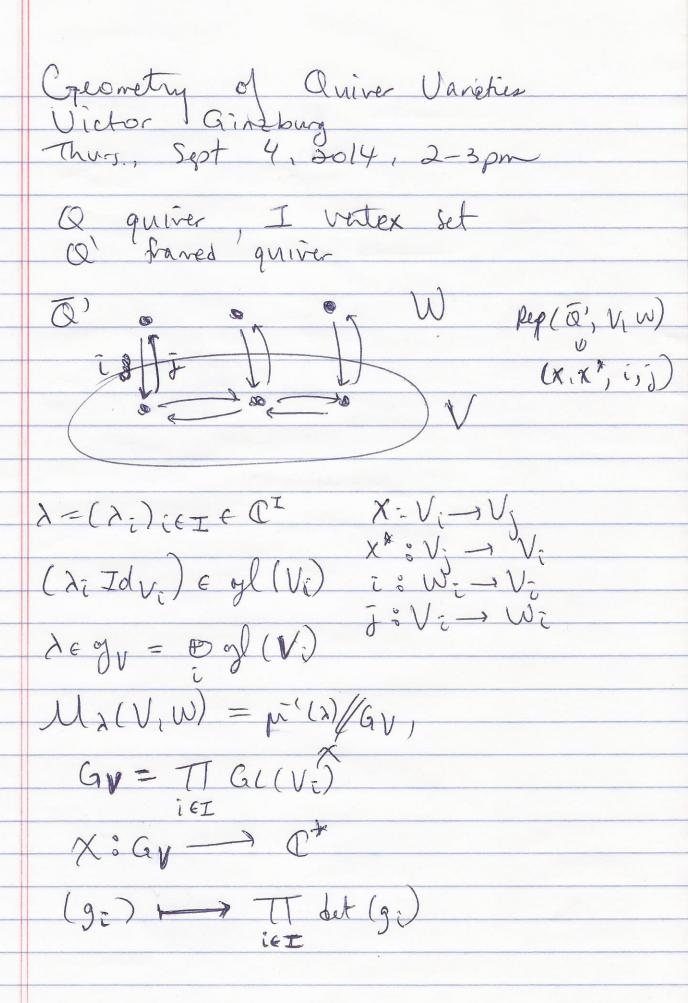
and the lidentifies that a guiver variety for affice Dynki quive

which is Ma (Li C) g a Kleinian surface

(This is NOT optional, we will not pay for incomplete forms)

- Introduce yourself to the speaker prior to the talk. Tell them that you will be the note taker, and that you will need to make copies of their notes and materials, if any.
- Obtain ALL presentation materials from speaker. This can be done before the talk is to begin or after the talk; please make arrangements with the speaker as to when you can do this. You may scan and send materials as a .pdf to yourself using the scanner on the 3rd floor.
 - Computer Presentations: Obtain a copy of their presentation
 - Overhead: Obtain a copy or use the originals and scan them
 - <u>Blackboard</u>: Take blackboard notes in black or blue **PEN**. We will **NOT** accept notes in pencil or in colored ink other than black or blue.
 - Handouts: Obtain copies of and scan all handouts
 - For each talk, all materials must be saved in a single .pdf and named according to the naming convention on the "Materials Received" check list. To do this, compile all materials for a specific talk into one stack with this completed sheet on top and insert face up into the tray on the top of the scanner. Proceed to scan and email the file to yourself. Do this for the materials from each talk.
- When you have emailed all files to yourself, please save and re-name each file according to the naming convention listed below the talk title on the "Materials Received" check list.

 (YYYY.MM.DD.TIME.SpeakerLastName)
- Email the re-named files to <u>notes@msri.org</u> with the workshop name and your name in the subject line.



600 Got OW OI din V=n, din W=1 Mo = Synn C2, Mo=Hilb (C2) $\mu(x,x^*,i,j) = (x,x^*)+ij$ Mo - Mo Milb-Chow maghism M, (v, w) La Proj morphism Mx (V, W) = p (1)/Gy offine.

Anite subgp Mc Kay correspondence Mc SL2(C) $I = Irrep(\Gamma),$ $v \qquad e_{ij} = \#\{i \rightarrow j\} =$ $= \dim \operatorname{Hom}_{\Gamma}(L_i, L_j \otimes C)$ Trep P, [leijl] ~ Qp McKay quiver

ass. to P

(CR symmthic)

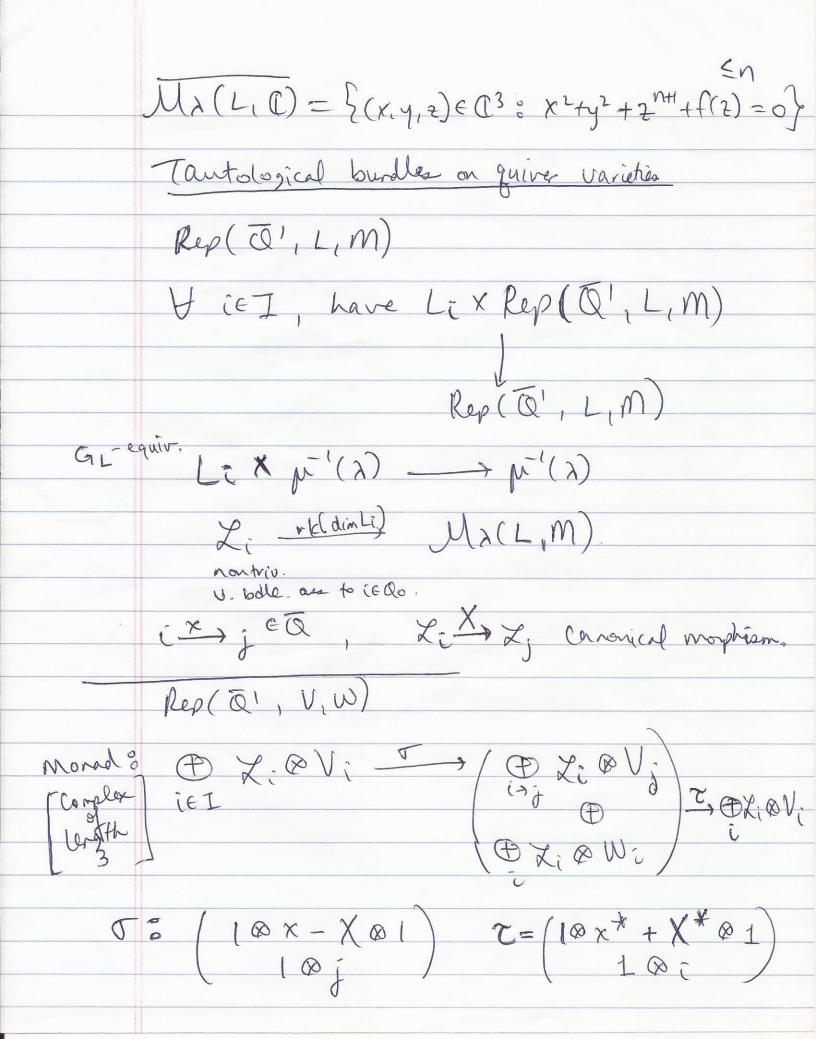
L=(Li) "Q is the double of its half." Thm (Knonheimer)

1) Mo(LiC) = C2/r

2) Mi (LiC), de CI (o) = 4 subalg of finite Universal deformation of C/r.

3.) Mr(L,C) I Mr (L,C)

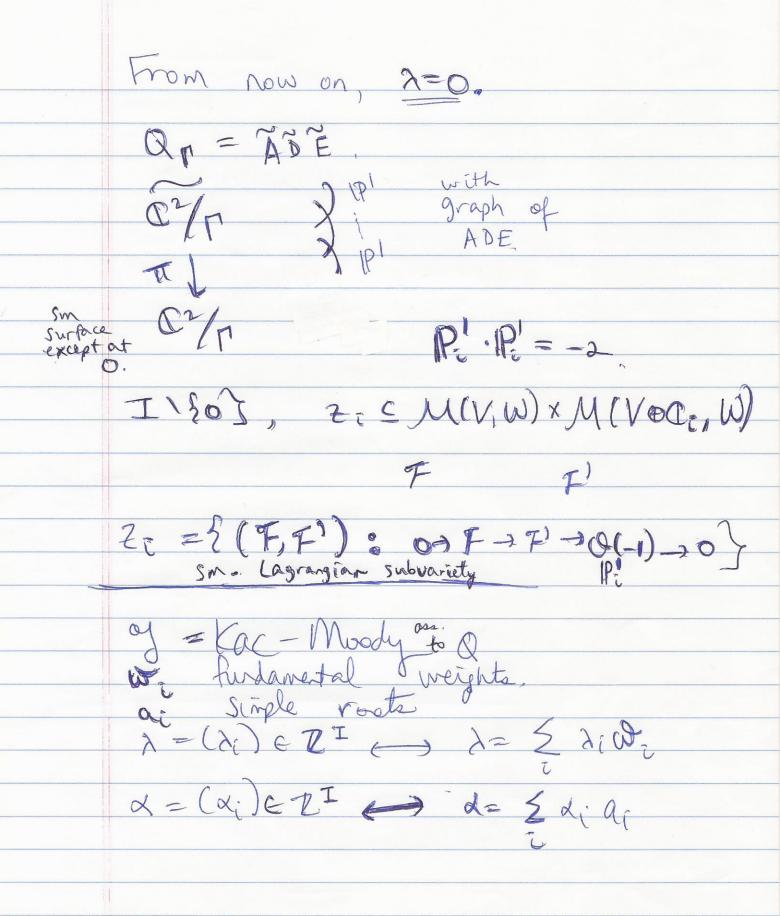
the minimal resolution of singularities EX, P- 2/(n), C/p={(x,y,z) = x2+y2+2n+1=0} 40(L(C)



This is a diagram of v. bdles on (fize +xex) Q=A,D,E, L=?Li: irreps of [] (i) To 5 =0 (ii) stability of (x, x*, i,j)

2 surjective, (iii) opp Stability

3 or is injective. Chm - (Kronheiner & Nakajima) (V, W) ~ (Torsion free coherent)
sheaves For (C2/1) = My(L, C) deformation (C2/r) (P2/r lar T s.t. Floor = WOO_ (X, X*, [2,])



Thm 1) = 21(0) + BM (11×11).

2) A= 7(0)

7 T: M(V,W) -> M(V,W)

dim W=>

dim V=d H(III)=Irrep of M(g)

with highest weight 2 H(NW,V) & weight space of weight 2- x. JC sheaves
of aftire
grassmantan.
Symplectic Geometric
duality
Totality
Tot

Zastava space W Whittaker perv. sh. CE irr number the complex power c.