No class next neek

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- Fraish classification of Idmil grs

- the rep's, will show after all girs / felds

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fill in some fects about (connectedness) is smooth vess

morphisms between gps

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Last the G 1-divide of variety/k=k

X=G smiphy.come

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(A'1803) xA' - Art (P's from)

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on for 2pts 0,00

=> 6 = { a & A (1803 } = 6 m

G gray-vouely/k
connected 1 -> H -> 6 -> A -> 1 "Chelley" 7 s.e.s. where His after (m feet low) à Apyde. "Abelian varety" it G smooth covered typ Inte Type "anti-Chentey" 1 - Z -> G -> Galf -> 1

committee. converted. Committee LAG 1 -> T -> Z -> A -> 1 D=gp. l.typexp. redud 1 -> Go -> G -> TOG -> 1

Sensing the k=k

Tongenty 1

1 -> Robo -> Go -> Go -> 1

Robo Tones

Representations

Det A fundad rep. I G is a nat. trac. of 3p funts G -> Gla

Det A fincheal G-madele is, for each R, an R-modele M(R) whom action G(R) CM(R) as R-modele auts

typeter w/ identifications le R-R' M(R) & R' => M(R') = maky M into a fracto & such that G(P) x M(P) - M(P) (gm-ks). Lemma , G-mod & hosis & M(k) = fractual G-reg. A k[G] - comodle N is a low map N-> k[6] & N s.l. 6×6 | (6) 0 k(6) [m 70] K[G]aN -> K[G]ak[G]aN Je LE c | commits | said N = KEGION e,n c N F[G] ON POINT N

Pundher comable N = 7 Inch. Gimable
M

N = M*