□未分类▼

1203

```
C': V'OV -> VOV'
         for >> I (evoid oid) (foc (vor: 10d'))
         is inversible
                               (V, C)
   Fomin-kirillow alg. Film m: 24,5 Filler series
      Fkn = B(Qn,cx)
    affine seeks Aff(To,T)
    AH (f., w)
    Att (Fc, 2)
Att (Fs, 3)
   AH (F7,3) AH(F7,5)
9.1 Axms and ourples
    (dilies standard basis of 22 11/< 0
Def. (Somi-Corren graph) (Carpen shepre)

I hon-enpry sec. X a non-enpry sec
     \gamma: 1 \times \chi \rightarrow \chi  A: 1 \times \chi \chi \rightarrow Z
      A^{X} = (G_{ij}^{X})_{ij}, \quad (2)^{X}
      \gamma_i(\chi) = \gamma(i,\chi)
```

```
g = g(1, \chi, r, A) is and a semi-over much \chi \rightarrow \chi
                   of Ax is a caren meerix and
          (C62) \forall 161 \mathcal{H}^2 = id_{\mathcal{X}} \mathcal{H}^{X} = q_{ij}^{\mathcal{H}(X)} 
                                                                                                                                                                                                                                       X Y(X)
                    121: rank of g
                  Planes of X points of G
                                                                                                                                                                                                                                7. .- Vella)
                  etes of I label of 9
                            Si & Ant (22) Si'(2; ) = 2; - a; di b) +2
                                                                                                             Si'(Gi) = - 2:
                  Vi , parantaren of X
      A: (A^{x})_{x \in X}
((61) \Rightarrow) S^{x} = S^{x \times (x)}
           I = \{1,2\}, \chi = \{\chi_1, \chi_2\}, \underline{\gamma}_1(\chi_1) = \chi_1, \gamma_1(\chi_2) = \chi_2
               72 = id (7:11)
                     Ax = (2 1), A = (2 -1) 4 1, 2 x.
Pf. 10 A". Ax One move.
                  w n'eid
               (3) A^{X_1} A^{Y_1(X_1)} = A^{X_2} 117
                                                                        A^{\lambda_1 \cdot (X_i)} = A^{X_i}
                                       A^{X_L} \qquad A^{Y_1(X_L)} = A^{X_0} \qquad 177
                                                                           AMIXI) - AXL
    Def. (exchange graph of (X, r, 2))
                        non-oriented
                         vercices -> etts of X
                                                                                                                                                                                                                          edges - ets of I
                       X, Y are connected & X+Y
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(r; (r)=x)

7. EVeryle \$1.4 1= (1, ... 5) 2= 1x, ... , x, 3 J= (12), J=(23) J=(23/14), O==(34) 7+ (xi) = X (xi) 1 (ii) 4 7= id (CGI) holds. $\gamma_i(\underline{\chi}_i) = \gamma_{\overline{U}_i(i)} = \lambda_2$ $\gamma_{\mathcal{L}}(\mathbf{X}_{\mathbf{L}}) = \mathbf{X}_{\mathbf{L}}$ 23 (X2) = X χų $\frac{\gamma_{i_1}(X_{i_2})=X_{i_1}}{\gamma_{i_2}(X_{i_1})=X_{i_1}}$ A^{x} SCG - Declar grigh ∀ (X, 7, 2) Satisfyy (C61) => 21 danihip of Care respect A

St G(1, X, 7, 4) 3 a SCG. AX=A VXEX. Pef. (morphin of SCG) Def. (Standard) A SCG is & Steadered of Ax = AT & XiteX. g=g(1, x, r,4), g'= (5(J, y, +, B) are sig. (p, r): g → g' is cared a month of SCG 1:1→J , 7: X→Y IXX TXY IXY IXIXY A Def. 7.16 9= 911, 75 % A) is 565

YEX nu-ring r(T) EY PIES YEY 9'= 9 (1, y, 7/(1x y), A/(1x2 xy)) is and a seni- ara Sulgryph of G. $(id,y): G \longrightarrow G$ $\gamma = mod_{in} sim.$ Def. (Commercel) if I no proper non-anyony Suspec ICX St MYIEY bill. YEY. b XeX {ri, ... rie (x) | k > 0, zi, ... rie € I } is the only connected oni - Cora Suppyle Containing X. Connected component of g containing X. 1=11,2) Then The Consider Company Ery & 81.7.