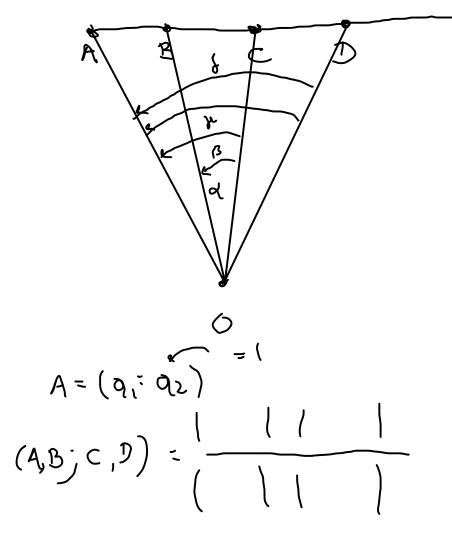
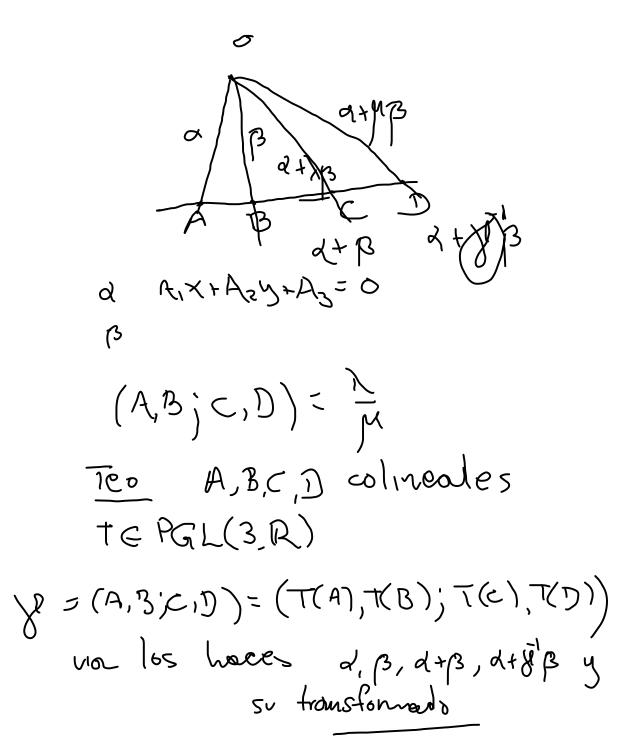
Rezón cruzada





Conicas on P2

Ax7+2Bxy+Cg+2Dx+2Ey+F=0

homodeneisayo

Ax +2Bxy +Cy +2Dx2+2Eyz+F2=0

$$(xyz) = 0$$

$$BD \times y = 0$$

$$BEF \times y = 0$$

$$\pm (xyz) = 0$$

Kango 3,2,1 No singularies range 3 signatura (#>0 - # <0)  $x^2+y^2+z^2=0 = 0$ signatura 1 X+y-5=0 conica no singular singulares ravigo 2 signatura 2 (0:0:2) punto Proyectivo x7 + y = 0 signatura G (x:x:z) (rectas pray. Yango 1

 $x^2 = 0$  (0:4:5)  $\frac{1}{2}$  doble.

ABD modriz amétrica e PS(R)
DEF R\*

(R) (A:B:C:D:E:FIE P(R)
reproseda una cónica nó singular si l det (C) +0 espacio de las
vo singulares es um 5 ACFIZBED-CD-AZ'-FB'-O be PS Jun 4 (conces singulares) (poves de Conicas de vango 1 dim 2 (rectos)  $\int \left[A\right] = \left\{f(a) \mid a \in A\right\}$   $\int \left[A\right] = \left\{f(a) \mid a \in A\right\}$ Conicas de rango 1 dim 2 (rectas)

 $\mathbb{R} \longrightarrow \mathbb{C}$   $\chi^2 + y^2 + \theta^2 = 0 - \phi$ Def D: P2 --- P3 (x:y:z) -> (x2.y:2xy:2xy:2xy:2yz) la veronese, innectiva, diferenciable Su imagen C P5 es la superficie Veronese

Tre = (A:B:C:D:E:F) hiperplano 1x + Bx, + C x2 + D x3 + E x4 + Fxy = 0 C = (A:B:C:0:E:F)