

$$\Gamma_1: X_0^2 + X_1^2 + 2X_2^2 = 0$$

$$\begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 2 \end{pmatrix}$$

$$\Gamma_2: X_0^2 + 5X_1^2 + 3X_2^2 = 0$$

$$\begin{pmatrix} 1 & 0 & 0 \\ 0 & 5 & 0 \\ 0 & 0 & 3 \end{pmatrix}$$

$$P \equiv \begin{pmatrix} 1 & 0 & 2 \\ 0 & 1 & 2 \end{pmatrix}$$

polare rispetto a Γ_1

$$(1 \ 0 \ 2) \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 2 \end{pmatrix} \begin{pmatrix} x_0 \\ x_1 \\ x_2 \end{pmatrix} = 0$$

$$1x_0 + 0x_1 + 4x_2 = 0$$

$$x_0 + 4x_2 = 0$$

$$4y + 1 = 0$$

polare rispetto a Γ_2

$$(1 \ 0 \ 2) \begin{pmatrix} 1 & 0 & 0 \\ 0 & 5 & 0 \\ 0 & 0 & 3 \end{pmatrix} \begin{pmatrix} x_0 \\ x_1 \\ x_2 \end{pmatrix} = 0$$

$$1 X_0 + 0 X_1 + 6 X_2 = 0$$

$$X_0 + 6 X_2 = 0$$

$$6y + 1 = 0$$

$$L: 5 X_0 + 2 X_1 - X_2 = 0$$

Trovare il polo di L
rispetto a Γ_2 .

Prendi 2 punti su L

$$P_1 \equiv (0, 1, 2)$$

$$P_2 \equiv (1, 0, 6)$$

he faccio le parti

$$\begin{pmatrix} 0 & 1 & 2 \\ 1 & 0 & 6 \end{pmatrix} \begin{pmatrix} 1 & 0 & 0 \\ 0 & 5 & 0 \\ 0 & 0 & 5 \end{pmatrix} \begin{pmatrix} x_0 \\ x_1 \\ x_2 \end{pmatrix} = 0$$

pol
di P_1

pol
di P_2

$$\begin{cases} 5x_1 + 6x_2 = 0 \\ x_0 + 18x_2 = 0 \end{cases}$$

$$\begin{pmatrix} 0 & 5 & 6 \\ 1 & 0 & 18 \end{pmatrix}$$

$$(x_0, x_1, x_2) \sim \left(\begin{array}{cc|cc|cc} | & 5 & 6 & | & 0 & 6 & | & 0 & 5 \\ | & 0 & 18 & | & 1 & 18 & | & 1 & 0 \end{array} \right) =$$

$$Q \equiv (90, 6, -5)$$



