

In case $a_1 = a_2 = 0. \Rightarrow a_0 = 1.$

$$\Rightarrow \begin{pmatrix} 1 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix} \text{ has rank } 1.$$

$$\Rightarrow \{l + l_\lambda\} \cap W_2 = \{X_0^2 = 0\}$$

The pencil $\{l + l_\lambda\}$ meets W_2 in the point $(X_0^2 = 0).$ \Rightarrow

Second, there are the chords to W_2 in W_1 ; such a pencil, containing two distinct double lines, will have only a single point p as its base locus and so will be just the pullbacks, via the rational projection $\pi_p: \mathbb{P}^2 \rightarrow \mathbb{P}^1$, of a pencil on \mathbb{P}^1 . (See Figure 4.) For example,

$L = \{(\lambda X_0^2 + X_1^2)\}$
is such a pencil.

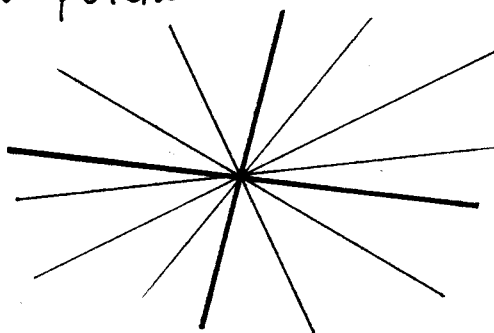


Figure 4