

Quadric Line Complex.

$$X = G \cap F \subset \mathbb{P}^5$$

$\Sigma \subset X$ a subvariety. $S \subset \mathbb{P}^3$ Kummer surface

$$\Rightarrow \exists \text{ a map } \pi: \Sigma \rightarrow S.$$

$B_L \subset A \subset G(2, 6)$. and A is the Jacobian of B_L .

$A \rightarrow \Sigma$ is a ^{rational} branched double covering

$$\Rightarrow \exists \tilde{A} \rightarrow \Sigma \quad \wedge \begin{matrix} \text{double covering} \\ \text{branched} \end{matrix}$$

* $X \subset \mathbb{P}^5 \Rightarrow X$ is obtained by blowing up and down processes. The procedure is independent of the choice of $L \subset X$. $\Rightarrow X$ is determined by B , since we have to show that the process is independent of the embeddings of B , and it is valid because of the facts that P is surjective, and we can use the result (the independence of the choice of L) to prove the independence of the embeddings.

Thus, we may conclude that X is determined by A of lines on it, up to isomorphism.