

form $V_1(N)$.

□

The class of $V_0(N) \subset G(2,4)$ may be determined as follows: let p be a generic point of P^3 . H a generic plane containing p . Then the restriction to H of the set of quadrics in N containing p is a pencil L of conics with p as one base point, and by argument 3 above, p will lie on exactly three lines of L . Thus

$$\#(V_0(N) \cdot \sigma_{2,1}) = 3$$

and hence

$$V_0(N) \sim 3\sigma_1.$$

$\Gamma \{ [x_0, x_1, x_2] \mid x_0 F_{\mu, \lambda}(p) + x_1 F_{\mu, \lambda'}(p) + x_2 F_{\mu, \lambda''}(p) = 0 \}$
 $= P^1 \Rightarrow$ The set of quadrics in N containing p is a pencil. \Rightarrow The base locus is an elliptic curve of degree 4, since p is a generic point.
, by the result on P746,

Let C be the elliptic curve containing p .

$\Rightarrow \#(H \cap C) = 4$ since H is a generic hyperplane. \Rightarrow The restriction to H of the set of quadrics in N containing p is a pencil L of conics with p as one base point.

L has four base points, $\{p, p_2, p_3, p_4\}$.

$\Rightarrow p \in \overline{p_1 p_2}, \overline{p_1 p_3}, \overline{p_1 p_4}$.