$\Rightarrow$ Contradiction.

(ii) Case 1.

$\Rightarrow$ Again $\dim|\mathcal{J}_{\Lambda_0''}(1)| \geq 3$ $\Rightarrow$ It is a contradiction sin $\dim H^0(\mathbb{P}^2, \mathcal{O}(H)) = \binom{2+1}{2} = 3$.

Thus $\#(\ell_1 \cap \Lambda_0) \geq 6$, from the cases. since we assumed $\#(\ell_1 \cap \Lambda_0) \leq 5$. and got contradictions ⌟

But then this conic must be a fixed component of the $\infty^{3+\rho}$ cubics $C - C_0$, which is a contradiction.

Q.E.D.

⌜ Actually, we proved above that if there is no fixed line containing ≥ 6 points from Γ_0, and there is no fixed conic containing 8 points from Γ_0, we get contradictions.

So the possible ways to avoid contradictions are

① $\exists$ a fixed line containg ≥ 6 points $\Rightarrow$ done.

② $\exists$ a fixed conic τ containing ≥ 8 points.

$\Rightarrow$ $\dim|\mathcal{J}_B(4)| = \dim|\mathcal{J}_{\Gamma_0'}(2)| \geq 3$, $\Gamma_0' = \Gamma_0 - \Gamma_0 \cap \tau$.

$\Rightarrow$ $\#\Gamma_0' \leq 4$

(i) Case 2.

$\Rightarrow$ $\dim|\mathcal{J}_{\Gamma_0'}(2)| = 5 - \#\Gamma_0'$

$\Rightarrow$ For $3 \leq \#\Gamma_0' \leq 4$, we have a contradiction

For $\#\Gamma_0' \leq 2$, then $\#(\Gamma_0 \cap \tau) \geq 10$, done.

(ii) Case 1.

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