we have lines tangent to V, and so $\pi_3(\bar{I}) = C(V)$

$\bar{I}$ is an algebraic subvariety of $\mathbb{P}^n \times \mathbb{P}^n \times \mathbb{P}^n$, and so $C(V)$ is an analytic subvariety in $\mathbb{P}^n$.

Γ $I = \{ (p, q, r) : p \neq q \in V, \ p \wedge q \wedge r = 0 \}$

$\Rightarrow$ Let $f : \mathbb{P}^n \times \mathbb{P}^n \times \mathbb{P}^n \longrightarrow \mathbb{C}^n$ be a map defined by $f(p, q, r) = p \wedge q \wedge r$ locally.

More precisely, given $(x_1, x_2, x_3) \in \mathbb{P}^n \times \mathbb{P}^n \times \mathbb{P}^n$, since $x_1 = [Z_{10}, Z_{11}, \cdots Z_{1n}]$, $x_2 = [Z_{20}, Z_{21}, \cdots Z_{2n}]$, $x_3 = [Z_{30}, Z_{31}, \cdots Z_{3n}]$,

define $f : U_0 \times U_0 \times U_0 \longrightarrow \mathbb{C}^n$ by

$$f(x_1, x_2, x_3) = \left(\frac{Z_{11}}{Z_{10}}, \cdots \frac{Z_{1n}}{Z_{10}}\right) \wedge \left(\frac{Z_{21}}{Z_{20}}, \cdots \frac{Z_{2n}}{Z_{20}}\right) \wedge \left(\frac{Z_{31}}{Z_{30}}, \cdots \frac{Z_{3n}}{Z_{30}}\right)$$

where we assumed here $Z_{10} \neq 0 \neq Z_{20} \neq 0 \neq Z_{30}$.

For simplicity, $n = 2$.

$$f(x_1, x_2, x_3) = \left(\frac{Z_{11}}{Z_{10}} e_1 + \frac{Z_{12}}{Z_{10}} e_2\right) \wedge \left(\frac{Z_{21}}{Z_{20}} e_1 + \frac{Z_{22}}{Z_{20}} e_2\right) \wedge \left(\frac{Z_{31}}{Z_{30}} e_1 + \frac{Z_{32}}{Z_{30}} e_2\right) =$$

$$\left(\frac{Z_{11}}{Z_{10}} \frac{Z_{22}}{Z_{20}} - \frac{Z_{12} Z_{21}}{Z_{10} Z_{20}}\right) e_1 \wedge e_2 \wedge \left(\frac{Z_{31}}{Z_{30}} e_1 + \frac{Z_{32}}{Z_{30}} e_2\right) = 0 \Rightarrow \text{not good}$$

example.

For $n = 3$, $f(x_1, x_2, x_3) = \left(\frac{Z_{11}}{Z_{10}} e_1 + \frac{Z_{12}}{Z_{10}} e_2 + \frac{Z_{13}}{Z_{10}} e_3\right) \wedge \left(\frac{Z_{21}}{Z_{20}} e_1 + \frac{Z_{22}}{Z_{20}} e_2 + \frac{Z_{23}}{Z_{20}} e_3\right) \wedge \left(\frac{Z_{31}}{Z_{30}} e_1 + \frac{Z_{32}}{Z_{30}} e_2 + \frac{Z_{33}}{Z_{30}} e_3\right) = \left(\frac{Z_{11}}{Z_{10}} \frac{Z_{22}}{Z_{20}} \frac{Z_{33}}{Z_{30}} - \frac{Z_{11} Z_{23} Z_{32}}{Z_{10} Z_{21} Z_{30}} + \cdots\right) e_1 \wedge e_2 \wedge e_3$