

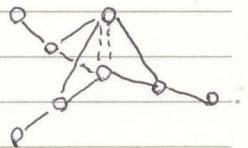
§4 Main result (\tilde{E}_6 case)

compute $\pi_1(\mathbb{C}^8 \setminus D_{\tilde{E}_6})$ using Zariski-van
Kampen method.

Due to the Lefschetz hyperplane
section theorem, we can take the section
as

$$\left\{ \begin{array}{l} t_5 = \dots = t_7 = t_8 = 0 \quad \left(\begin{array}{l} \text{due to the} \\ \text{weighted homogeneity} \\ \text{of } \Delta_{\tilde{E}_6}(t) \end{array} \right) \\ t_2 + t_3 + t_4 = 1 \\ t_2 + \nu t_3 - \frac{\nu}{1+\nu} = 0 \quad \text{where } \nu^2 - \nu + 1 = 0 \end{array} \right.$$

In order to preserve $\mathbb{Z}/3\mathbb{Z}$ symmetry



we take the later two sections.