

$$\pi_1(\mathbb{C}^8 \setminus D_{\tilde{E}_6}) \cong \pi_1(\mathbb{C}^2 \setminus C_{\tilde{E}_6})$$

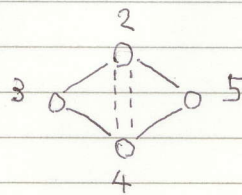
Thm (K. Saito - I)

$$\pi_1(\mathbb{C}^8 \setminus D_{\tilde{E}_6}) \cong \langle g_1, \dots, g_8 \mid R_{\tilde{E}_6} \rangle$$

$$R_{\tilde{E}_6} = \left\{ \begin{array}{l} 15 = 51, \quad 65 = 56, \quad 85 = 58, \\ 17 = 71, \quad 37 = 73, \quad 87 = 78, \\ 264 = 642 = 426, \\ 121 = 212, \quad 474 = 747, \quad 282 = 828, \\ 484 = 848, \quad 252 = 525, \quad 454 = 545, \\ 141 = 414, \quad 232 = 323, \\ \underline{4253425 = 5425342}, \quad + \text{some relations} \end{array} \right.$$

Remark

We can detect



two special generators

corresponding to $\begin{array}{c} \wedge \\ \text{two} \end{array}$ vertices $\begin{array}{cc} 0 & 0 \\ 2 & 4 \end{array}$.