Eine Woche, ein Beispiel 1.12 monodromy of the Gauss map

[Kr16, cubic threefold]: Krämer, Thomas. Cubic Threefolds, Fano Surfaces and the Monodromy of the Gauss Map. Manuscripta Mathematica 149.

This is written for presentations. I may forget some important hints, so I collect the process here.

$$A \cong \mathbb{C}^{9}/\Lambda$$

$$Z \subset A \quad \text{sm of dim } r$$

$$Gauss \quad \text{map}$$

$$\uparrow Z$$

$$\phi: \quad Z \longrightarrow Gr(g,r)$$

$$\Sigma \mapsto [T_{\overline{e}}Z]$$

$$Gal(x) = (mon gp of Imon \longrightarrow Gr(g,g-1))$$

Q: How can we compute Gal (8)?

$$Gal(8) = Aut(Schläfligraph) = W(E_6)$$

 $Q: Can we find $Z \subset A$ sm s.t. $Gal(8) = W(E_7)$?$

Sp., ..., P27}