$X \in \{\widetilde{E}_6, \widetilde{E}_7, \widetilde{E}_8\}$.

Thm (Kas - Schlessinger)

The semi-versal deformation of X is given by

$$\mathcal{X} := \left\{ (x,y,z,\underline{t}) \in \mathbb{C}^3 \times \mathbb{C}^\mu \;\middle|\; f_X + \sum_{i=1}^{\mu} t_i P_i = 0 \right\}$$

$$\begin{array}{ccc} \downarrow & \ni & (x,y,z,\underline{t}) \\ & & \downarrow \\ \mathbb{C}^\mu & \ni & \underline{t} \end{array}$$

where the P_i determine a $\mathbb{C}$-basis of the vector space $\mathbb{C}[x,y,z] \Big/ \left(\frac{\partial f_X}{\partial x}, \frac{\partial f_X}{\partial y}, \frac{\partial f_X}{\partial z}\right)$

and $\mu = \dim_{\mathbb{C}} \left(\mathbb{C}[x,y,z] \Big/ \left(\frac{\partial f_X}{\partial x}, \frac{\partial f_X}{\partial y}, \frac{\partial f_X}{\partial z}\right) \right)$.