1125-11-783 **Marie José Bertin**, **Alice Garbagnai**, **Ruthi Hortsch*** (ruthi@beammath.org), **Odile Lecacheux**, **Makiko Mase**, **Cecília Salgado** and **Ursula Whitcher**. *Classification of Elliptic Fibrations of a Singular K3 Surface.*

We classify, up to automorphism, the elliptic fibrations on the singular K3 surface X associated with the Laurent polynomial

$$x+\frac{1}{x}+y+\frac{1}{y}+z+\frac{1}{z}+\frac{x}{y}+\frac{y}{x}+\frac{y}{z}+\frac{z}{y}+\frac{z}{x}+\frac{x}{z},$$

the transcendental lattice of which is isometric to $\langle 6\rangle \oplus \langle 2\rangle$.

In the paper, we give each elliptic fibration by Dynkin diagrams characterizing its reducible fibers, and the rank and torsion of its Mordell-Weil group. We will review this and explain Nishiyama's method, which was used to obtain this classification. (Received September 11, 2016)