

**Errata to the thesis**  
**“Topics in the arithmetic of del Pezzo and K3 surfaces”.**  
**Dino Festi**

Thanks to Bas Edixhoven for pointing out some of these mistakes to me.

*Page 69, line -2:* the statement “ $X_{t_0} = X_{-3}$  **has four ordinary double points**” is not true. In fact,  $X_{-3}$  has twelve singular points: the points  $(1 : \zeta_6^j : \zeta_6^k : 0)$  with  $j, k \in \mathbb{Z}/6\mathbb{Z}$  such that  $2(j+k) \equiv 0 \pmod{6}$ .

*Page 70, line 2:* “ $X_{t_i}$  **has four ordinary double points**” should be “ $X_{t_i}$  has twelve ordinary double points”.

*Page 109, line -1:* equation (4.4) should read

$$\mathrm{Tr}((\varphi^*)^n | H_{\acute{e}t}^2(\bar{S}, \mathbb{Q}_\ell)) = q^n \cdot \mathrm{Tr}(\varphi^*(1)^n)$$

instead of

$$\mathrm{Tr}((\varphi^*)^n | H_{\acute{e}t}^2(\bar{S}, \mathbb{Q}_\ell)) = q \cdot \mathrm{Tr}(\varphi^*(1)^n).$$