Corrections to “Abelian Varieties Attached to Polarized K_3 -Surfaces”

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1. On page 241, there appear three Γ 's; but for the second and third ones (line 10 and line 16) a modification seems to be necessary. A simplest way to remedy the situation is to insert the following clause at line 10 after “... by $\Gamma \backslash \mathscr{D}$ ”: “, where Γ should be replaced, if necessary, by $\Gamma \cap \varphi(\text{Spin}(V) \cap C_3^+)$, φ denoting the canonical covering map from the spin group into the orthogonal group”. (This is to assure that two polarized abelian varieties corresponding to Γ -equivalent polarized K_3 -surfaces are isomorphic as *polarized* abelian varieties.)

2. The statement on page 242, lines 4—5 was incorrect. The sentences on lines 2—5: “From the above result ... defined over $\mathfrak{Q}$.” should read as follows: “In that case, taking an orthogonal basis (e'_1, e'_2) of $V_{+\mathfrak{a}} = V_+ \cap V_{\mathfrak{a}}$ such that $\langle e'_i, e'_i \rangle = a_i$ ($i = 1, 2$), one has $e_+ = \pm \sqrt{a_1 a_2}^{-1} e'_1 e'_2$.” Accordingly, on line 6 and line 8 “ $\mathfrak{Q}(\sqrt{-1})$ ” should be replaced by “ $\mathfrak{Q}(\sqrt{-a_1 a_2})$ ”.

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