Corrigendum

Torsion points on abelian varieties of CM-type

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As pointed out in [GR17, §3], Lemma 6 of [Sil88] is false as stated. Thus, the proofs of the results that rely on it are not correct as stated. These include the proofs of [Sil88, Corollaries 4–8], the proofs of [Sil92, Corollaries 5.2(i), 5.3(i), and 5.4(i,ii)], and the proofs of the results in [vMu92] for non-simple two- and three-dimensional abelian varieties. The proof given in [Sil88, Lemma 6] is valid with the additional assumption that the abelian variety $A$ is (absolutely) simple. Even without that assumption, the proofs of the corollaries can be salvaged in certain cases; however, stronger results have recently been achieved in [GR17].

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References


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