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ERRATUM TO 'MANN PAIRS'

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Lemma 6.1 of [1] is false: a counterexample is given by $E = K = \mathbb{Q}(\mathbb{U})$ and $G = \{1\}$, where $\mathbb{U}$ is the multiplicative group of roots of unity. We now modify this lemma so that the rest of [1] is unaffected. Add to the hypothesis of Lemma 6.1 that for each prime number p all p^{th} roots of unity in $E^\times$ are in the subgroup G. With this change, the proof of the lemma goes through; without it, the first sentence following "Proof of the Claim" is incorrect.

The only direct use of Lemma 6.1 in [1] is in the proof of Lemma 6.2. There is no need to modify Lemma 6.2 or its proof. At the end of that proof, the modified Lemma 6.1 is used with $E, F, \mathbf{k}^\times\Gamma_1$ in the role of E, K, G.

References

[1] Lou van den Dries and Ayhan Günaydın. Mann pairs. *Trans. Amer. Math. Soc.*, 362(5):2393–2414, 2010. MR2584604

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