COMPOSITIO MATHEMATICA

Corrigendum

On the probabilities of local behaviors in abelian field extensions

Melanie Matchett Wood

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The right-hand side of Theorem 3.1 of [Woo10] should contain an additional factor of $(\mathrm{Res}_{s=1}\,\zeta_K(s))^{w_{K,C}}$. The equality $\lim_{s\to 1}\zeta_K(s) = 1$ was mistakenly used, which holds for $K = \mathbb{Q}$ but does not hold in general (the residue is given by the analytic class number formula).

Thank you to Rachel Newton, Christopher Frei, and Daniel Loughran for pointing this out.

REFERENCES

Woo10   M. M. Wood, *On the probabilities of local behaviors in abelian field extensions*, Compos. Math.
         146 (2010), 102–128, doi:10.1112/S0010437X0900431X.

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