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Erratum to "The Quantum Double of a (locally) Compact Group"

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Abstract. A small error occuring in [1] is corrected.

The classification of conjuagacy classes of $\mathrm{SL}(2,\mathbb{R})$ as given in Section 5.2 of [1] is not complete. For trace 2 (cases v. & vi.) there is a third conjugacy class C_{-1} with representative $n_{-1} = \begin{pmatrix} 1 & -1 \\ 0 & 1 \end{pmatrix}$. Similarly, for trace -2 (cases vii. & viii.), there is a third conjugacy class with representative $-n_{-1}$. This does not harm the conclusion that $\mathrm{SL}(2,\mathbb{R})$ is countably separated, since the continuous function $\begin{pmatrix} a & b \\ c & d \end{pmatrix} \mapsto b - c$ is strictly positive on C_1 and strictly negative on C_{-1}.

References

[1] Koornwinder, T. H., and N. M. Muller, *The quantum double of a (locally) compact group*, Journal of Lie Theory **7** (1997), 101–120.

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