ERRATUM TO "RESTRICTIONS OF $L^p$ TRANSFORMS"

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The author wishes to point out that Theorems 2 and 3 in [1] are both in general false. In fact we can prove the following result when $G$ is noncompact. Let $E$ be a measurable subset of $\Gamma$ with positive Haar measure. If $E$ has the property that there is no compact $K \subset \Gamma$ such that $E \setminus K$ is locally null, then there exists an $E_0 \subset E$ with positive Haar measure such that

$$L^1(G)^\sim|E_0 \cap L^2(G)^\sim|E_0 \neq \{L^1(G) \cap L^2(G)\}^\sim|E_0.$$  

Theorems 2 and 3 are true when $E = \Gamma$ hence the proof of Theorem 5 remains valid. The problems considered in [2] are now open for noncompact LCA groups since the proofs depend on Theorem 2 of [1].

REFERENCES


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