ERRATUM TO “A NOTE ON REGULAR
DIRICHLET SUBSPACES”

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There is a flaw in the proof of Theorem 2 in [1]. Theorem 1 should be corrected to the following weaker assertion for which the present proof works.

Theorem. Let $\mathcal{F}$ be a subspace of $\mathcal{F}$ such that $(\mathcal{E}, \mathcal{F})$ is a regular Dirichlet space on $L^2(I, \rho \, dx)$. Assume that a scale function $s$ of the diffusion process on $I$ associated with $(\mathcal{E}, \mathcal{F})$ admits an absolutely continuous inverse $t$. Then $\mathcal{F} = \mathcal{F}$.

If the assumption on $t$ in the above statement is not satisfied, then $\mathcal{F}$ could be a proper subset of $\mathcal{F}$. Accordingly, Corollary 1 and an example following it are incorrect.

REFERENCES


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