

**A REMARK ON THE UNIQUENESS OF SILVERSTEIN
EXTENSIONS OF SYMMETRIC DIRICHLET FORMS**

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ABSTRACT. We prove the uniqueness of the Silverstein extension of symmetric Dirichlet forms under some condition on intrinsic metrics. We then calculate intrinsic metrics and show the Silverstein uniqueness of some non-local Dirichlet forms generating non-conservative Hunt processes on \mathbb{R}^d or on weighted graphs. This talk is based on the joint work with Kazuhiro Kuwae (Kumamoto University).