

## **Ergodicity of Stochastic Curve Shortening Flows**

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We discuss a model of curvature flow for a  $1 + 1$  dimensional interface in an  $2D$  isotropic Brownian flow. Well posedness of the dynamics is established in the classical variational SPDE framework, using a modified coercivity condition. In the additive noise case we also show ergodicity by adapting the lower bound technique proposed recently by Komorowski, Peszat and Szarek.