Title of Article: Converse Variational Stability for Kurzweil Equations associated with QSDEs

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Abstract: In analogous to classical ordinary differential equations, we study and establish results on converse variational stability of solution of quantum stochastic differential equations associated (QSDEs) with the Kurzweil equations. The results here generalize analogous results for classical initial value problems. The converse variational stability guaranteed the existence of a Lyapunov function when the solution is variationally stable.