



# Existence of complete Lyapunov functions for semiflows on separable metric spaces

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The aim of this short note is to show how to construct a complete Lyapunov function of a semiflow by using a complete Lyapunov function of its time-one map. As a byproduct we assure the existence of complete Lyapunov functions for semiflows on separable metric spaces.

Subjects: **Dynamical Systems (math.DS)**

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