

126. Zvi Artstein, **Invariance Principle in the singular perturbations limit**. Discrete and Continuous Dynamical Systems Series-B 24 (2019), 3653-3666.

Abstract. We examine the invariance principle in the stability theory of differential equations, within a general singularly perturbed system. The limit dynamics of such a system is depicted by the evolution of a Young measure whose values are invariant measures of the fast equation. We establish an invariance principle for the limit dynamics, and examine the relations, at times subtle, with the singularly perturbed system itself.

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