

103. Zvi Artstein, **Bang-bang controls in the singular perturbations limit**. Control and Cybernetics 34 (2005), 645-663.

Abstract. A general form of the dynamics obtained as a limit of trajectories of singularly perturbed linear control systems is presented. The limit trajectories are described in terms of probability measure-valued maps. This allows to determine the extent to which the bang-bang principle for linear control systems is carried over to the singular limit.

For a copy of this paper send a request to zvi.artstein@weizmann.ac.il