

109. Zvi Artstein, **Sensitivity of control systems with respect to measure-valued coefficients**. In Geometric Control and Nonsmooth Analysis, F. Ancona et al. Eds., Worldscientific, London, 2008, pp. 65-81.

**Abstract.** Measure-valued coefficients arise when limits of rapidly varying parameters of control systems are examined. The rapidly varying parameter is considered then a perturbation of a measure-valued parameter. We provide quantitative estimates for the sensitivity of the optimal value and near optimal solutions, with respect to such perturbations. As a particular case, which is of interest for its own sake, we establish quantitative estimates for the sensitivity of ordinary control systems with respect to relaxed controls.

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