125. Zvi Artstein, **A variational problem determined by probability measures.** Optimization 68 (2019), 81-98.

Abstract. An optimization problem of maximizing an integral of a function over a family of probability measures is considered. The problem is a generalization of a well studied variational problem in mathematical economics, concerning optimal allocations. The specific generalization that we examine arises also in the limit of singularly perturbed optimal control problems. We examine the mathematical problem and allude to the singular perturbations motivation.

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