80. Zvi Artstein, **Variational limits constrained by measure-valued multifunctions.** Calculus of Variations and Optimal Control, A. Ioffe, S. Reich and I. Shafrir Eds., Chapman & Hall, London, 1999, pp. 1 - 23.

Abstract. The paper analyzes a variational problem depending on a parameter and examines the limit behavior when the parameter tends to a limit. The goal is to identify the variational limits of the problem. This limit should portray both the limit value and the limit of optimal solutions. The paper demonstrates how measure-valued multifunctions arise as constraints in the variational limits, when the constraints in the original problem depend on highly oscillatory terms. The solution to the variational limit is a measure-valued function. It is shown how to use the solution for the variational limit to generate near optimal ordinary solutions to the original parameterized problem.

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