

4. Zvi Artstein, **On a variational problem.** J. Mathematical Analysis and Applications 45 (1974), 404-415.

**Abstract.** The paper analyzes a variational problem of maximizing the integral over measurable  $R^n$ -valued functions satisfying both point-wise inequalities and an integrable constraint. Conditions are displayed such that for every value of the integrable constraint a solution exists and the solutions are then characterized.

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