

**Balder, E. J.**

**A general denseness result for relaxed control theory.** (English) Zbl 0544.49008  
*Bull. Aust. Math. Soc.* 30, 463-475 (1984).

Author's summary: "A result by the author on the elimination of randomization (or relaxation) for variational problems is partially extended and then used to obtain a very general result on the denseness of the set of original control functions in the set of relaxed control functions. Also, a slight extension of Aumann's theorem on the integrals of multifunctions is shown to follow directly from the elimination result".

Reviewer: [C.Vinti](#)

**MSC:**

- [49J45](#) Methods involving semicontinuity and convergence; relaxation
- [49J27](#) Existence theories for problems in abstract spaces
- [28B20](#) Set-valued set functions and measures; integration of set-valued functions; measurable selections
- [46A04](#) Locally convex Fréchet spaces and (DF)-spaces
- [46A50](#) Compactness in topological linear spaces; angelic spaces, etc.

Cited in **25** Documents

**Keywords:**

[elimination of relaxation](#); [relaxed control](#); [integrals of multifunctions](#)

**Full Text:** [DOI](#)

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