

**Marinacci, Massimo; Montrucchio, Luigi**

**Ultramodular functions.** (English) Zbl 1082.52006

Math. Oper. Res. 30, No. 2, 311-332 (2005).

Summary: We study the properties of ultramodular functions, a class of functions that generalizes scalar convexity and that naturally arises in some economic and statistical applications.

**MSC:**

[52A41](#) Convex functions and convex programs in convex geometry

[52A01](#) Axiomatic and generalized convexity

[90C26](#) Nonconvex programming, global optimization

[91A12](#) Cooperative games

Cited in **1** Review  
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**Keywords:**

supermodularity, convexity, essentially smooth functions, cooperative games, convex ordering

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