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Subdifferential calculus. Theory and applications. (Субдифференциальное исчисление. Теория и приложения.) (Russian. English summary) [Zbl 1137.49002](#)

Moskva: Nauka (ISBN 5-02-034079-0/hbk). 559 p. (2007).

This is a Russian edition based on the book published in English by Kluwer in [Mathematics and its Applications (Dordrecht). 323. Dordrecht: Kluwer Academic Publishers. (1995; [Zbl 0832.49012](#))]. It presents the theory and machinery of subdifferential calculus. Besides an overview of analytical tools used in this branch of functional analysis, the authors focus on criteria for optimality in convex optimization problems and local convex approximations.

Reviewer: [Dmitry Silin \(Berkeley\)](#)

MSC:

[49-02](#) Research exposition (monographs, survey articles) pertaining to calculus of variations and optimal control

Cited in **2** Reviews
Cited in **12** Documents

Keywords:

tangent cone approximations; convex analysis; subdifferential calculus; Young-Fenchel transformation; nonsmooth optimization