

Benabdellah, H.; Castaing, C.; Salvadori, A.; Syam, A.
Nonconvex sweeping process. (English) [Zbl 0873.34050](#)
J. Appl. Anal. 2, No. 2, 217-240 (1996).

Authors' summary: We discuss the existence of bounded variation and Lipschitzian solutions for the sweeping process associated to a nonconvex closed moving set and its applications to a new class of evolution problem governed by a subdifferential of a Lipschitz function. Convex and nonconvex perturbations of the preceding evolution problem are also studied.

Reviewer: J.Myjak (L'Aquila)

MSC:

[34G20](#) Nonlinear differential equations in abstract spaces
[34A60](#) Ordinary differential inclusions

Cited in 7 Documents

Keywords:

convex and nonconvex perturbations; bounded variation; Lipschitzian solutions; sweeping process; evolution problem; subdifferential; Lipschitz function

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