

Rogovchenko, Yuri V.

Impulsive evolution systems: Main results and new trends. (English) Zbl 0879.34014
Dyn. Contin. Discrete Impulsive Syst. 3, No. 1, 57-88 (1997).

This is a survey of recent results (mostly due to the author and his collaborators) on abstract impulsive evolution systems. The main questions under consideration are existence and uniqueness, continuous dependence on initial data, and the stability of solutions. Applications to impulsive parabolic equations are also presented.

Reviewer: [S.Aizicovici \(Athens/Ohio\)](#)

MSC:

- [34A37](#) Ordinary differential equations with impulses
- [34G20](#) Nonlinear differential equations in abstract spaces
- [34-02](#) Research exposition (monographs, survey articles) pertaining to ordinary differential equations

Cited in **3** Reviews
Cited in **105** Documents

Keywords:

[abstract impulsive evolution systems](#); [impulsive parabolic equations](#)