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Nonlinear semigroups and evolution governed by “generalized” dissipative operators. (English) Zbl 0818.34033

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The authors consider the abstract problem $\frac{du}{dt} \in Au(t) + f(t)$ for $t \in (0, T)$ with $u(0) = x$ in a real Banach space X . The aim of this paper is to study the existence and uniqueness of mild solutions of the above Cauchy problem.

Reviewer: [L.Hacia \(Poznań\)](#)

MSC:

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

[47H20](#) Semigroups of nonlinear operators

Cited in 1 Document

Keywords:

[Banach space](#); [existence](#); [uniqueness](#); [mild solutions](#); [Cauchy problem](#)