

**Crandall, Michael G.; Evans, L. C.**

**On the relation of the operator  $\partial/\partial s + \text{partial}/\tau$  to evolution governed by accretive operators.**

(English) [Zbl 0351.34037](#)

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For a scan of this review see the [web version](#).

**MSC:**

- 34G99** Differential equations in abstract spaces
- 47J05** Equations involving nonlinear operators (general)
- 47H05** Monotone operators and generalizations

Cited in **2** Reviews  
Cited in **46** Documents

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

**References:**

- [1] Ph. Benilan, Équations d'évolution dans un espace de Banach quelconque et applications, Thesis, U. Paris XI, Orsay, 1972. · [Zbl 0246.47068](#)
- [2] Ph. Benilan, Équations d'évolution dans un espace de Banach quelconque, Ann. Inst. Fourier (Grenoble), to appear. · [Zbl 0309.47044](#)
- [3] M. G. Crandall, An introduction to evolution governed by accretive operators, Proceedings of the International Symposium on Dynamical Systems, Brown University, Providence, August 1974, to appear. · [Zbl 0339.35049](#)
- [4] M. G. Crandall and T. M. Liggett, Generation of semigroups of nonlinear transformations on general Banach spaces, Amer. J. Math. 93 (1972), 265–293. · [Zbl 0226.47038](#) · [doi:10.2307/2373376](#)
- [5] L. C. Evans, Nonlinear Evolution Equations, Thesis, UCLA, 1975.
- [6] Y. Kobayashi, Difference approximation of evolution equations and generation of non-linear semi-groups, Proc. Japan. Acad., to appear.
- [7] N. Kenmochi and S. Oharu, Difference approximation of nonlinear evolution equations and semigroups of nonlinear operators, Publ. Res. Inst. Math. Sci. 10 (1974), 147–207. · [Zbl 0305.47030](#) · [doi:10.2977/prims/1195192177](#)
- [8] A. T. Plant, The product integral method for nonlinear evolution equations, Tech. Rep. 23, Control Theory Centre, University of Warwick. · [Zbl 0358.47040](#)
- [9] S. Rasmussen, Non-linear Semigroups, Evolution Equations and Product Integral Representations, Various Publications Series No. 20, Matematisk Institute Aarhus Universitet, Danmark.
- [10] T. Takahashi, Difference approximation of Cauchy problems for quasi-dissipative operators and generation of semigroups of nonlinear contractions, to appear.
- [11] J. Yorke and J. Kaplan, Toward a unification of ordinary differential equations with nonlinear semigroup theory, Proceedings of Symposium on Ordinary Differential Equations, Los Angeles, Sept. 1974, to appear.

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