

Teodorescu, Dinu

A contractive method for a semilinear equation in Hilbert spaces. (English) Zbl 1150.47351
An. Univ. Bucur., Mat. 54, No. 2, 289-292 (2005).

Summary: In this note, we establish an existence and uniqueness result for the semilinear equation $Au + F(u) = f$, where A is a linear maximal monotone and strongly positive operator and the nonlinearity F is a Lipschitz operator.

MSC:

47H06 Nonlinear accretive operators, dissipative operators, etc.
47H10 Fixed-point theorems

Cited in **1** Review
Cited in **2** Documents

Keywords:

strongly positive operator; Lipschitz operator; maximal monotone operator