1023-47-932

Boubakari Ibrahimou\* (bibrahim@mail.usf.edu), University of South Florida, Department of Mathematics, 4202 East Fowler Avenue, PHY 114, Tampa, FL 33620, and Athanassios G. Kartsatos, University of South Florida, Department of Mathematics, 4202 East Fowler Avenue, PHY 114, Tampa, FL 33620. Using the Leray-Schauder Degree for a Degree Involving Maximal Monotone Perturbations of (S+)-operators.

We demonstrate that the Leray-Schauder topological degree theory can be used for the development of a topological degree theory for maximal monotone perturbations of bounded, demicontinuous operators of type (S+) in separable reflexive Banach spaces. This in an extension of Berkovits' degree development for operators as the perturbations above. (Received September 23, 2006)