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**Alberto Bressan** and **DONGMEI ZHANG\*** (zhang\_d@math.psu.edu), Penn State University, University Park, PA 16802. *Control Problems for a Class of Set Valued Evolutions.*

This work studies controllability problems for the reachable set of a differential inclusion. These were originally motivated by models of control of a flock of animals. Conditions are derived for the existence or nonexistence of a strategy which confines the reachable set within a given bounded region, at all sufficiently large times. Steering problems and the asymptotic shape of the reachable set are also investigated. (Received January 28, 2014)