1023-49-972   **R N Mohapatra*** (`ramm@mail.ucf.edu`), Department of Mathematics, University of Central Florida, Orlando, FL 32816, and **Ram U Verma** (`verma99@msn.com`), Department of Mathematics, University of Central Florida, Orlando, FL 32816. *Senistivity Analysis for Cocoercively Monotone Variational Inclusions.*

In this paper we discuss sensitivity analysis for cocoercively monotone variational inclusions based on the generalized resolvent operator technique. Since the notion of coercive monotonicity unifies most of the existing notions like cocoercivity, strong monotonicity, relaxed monotonicity, relaxed cocoercivity etc., study of coercive monotonicity allows one to talk about corresponding results for strong monotonicity or relaxed monotonicity and others. In this talk we shall prove some general results for Cocoercively monotone variational inclusions. (Received September 23, 2006)