1023-47-508 **Dan D. Pascali\*** (dp39@nyu.edu), Courant Institute, New York University, 251 Mercer Street, New York, NY 10012. *Monotone variational inequalities revisited.* 

A variational inequality defined by a mapping  $A: X \to X*$  on a nonempty subset K of a Banach space X can be equivalently written as the inclusion  $0 \in A(x) + N_K(x), x \in K$ , where  $N_K(x)$  is the normal cone to K at x. We balance the lack boundedness of K measured by its barrier cone b(K) with the degree of monotonicity of A. The stability of the solution set with respect to small perturbation of the data is given. (Received September 15, 2006)