1023-49-783   **Elena Constantin*** (`constane@pitt.edu`), University of Pittsburgh - Johnstown, Mathematics Department, 130 Krebs Hall, 450 Schoolhouse Road, Johnstown, PA 15904. *Necessary and Sufficient Conditions for Isolated Local Minima of Nonsmooth Functions.*

The goal of this talk is to give some higher order conditions for the existence of an isolated local minimizer for a constrained optimization problem with nonsmooth data. The optimality conditions are expressed in terms of contingent vectors to the constraint set at the minimum point. Some examples illustrate the applicability of our results. (Received September 21, 2006)