

1086-49-2337

**Douglas E. Ward\*** ([wardde@muohio.edu](mailto:wardde@muohio.edu)), Miami University, Department of Mathematics, Oxford, OH 45056. *Generalized Dini Derivatives of the Perturbation Map in Parametric Set-Valued Optimization*. Preliminary report.

In parametric scalar nonlinear programming, estimates are available for the upper and lower Dini directional derivatives of the optimal value function. In this paper, we look at how such estimates can be generalized to a set-valued setting. (Received September 25, 2012)