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R. Blake Rector* (r.b.rector@pdx.edu) and **Nguyen Mau Nam**
(mau.nam.nguyen@pdx.edu). *Geometric Approach to Convex Analysis in Locally Convex
Topological Vector Spaces.*

We use a geometric approach to study generalized differentiation of convex functions and set-valued mappings in infinite dimensions. This approach provides easy access to basic subdifferential formulas as well as new calculus results on subgradients of optimal value functions and coderivatives of set-valued mappings in locally convex topological vector spaces. (Received September 11, 2015)