

1016-49-27

Yuri S. Ledyaev* (ledyaev@wmich.edu). *Nonsmooth analysis and convex sets on smooth manifolds.*

We discuss techniques of nonsmooth analysis on manifolds and present variational proofs of generalizations of classical Helly's intersection and Junge theorems for manifolds of nonpositive curvature. (Received January 09, 2006)