

1086-VM-2730 **Joshua Kaminsky*** (jbkaminsky@smcm.edu). *Rolling down the hill from convex hull to closure*. Preliminary report.

We investigate r -convexity of sets as a natural generalization of convexity, along with its relation to geometric minimization problems and data denoising. We also investigate how it compares to other set estimation properties. (Received September 25, 2012)