

1096-49-153

Frank Morgan* (frank.morgan@williams.edu). *The Log-Convex Density Conjecture*. Preliminary report.

The Log-Convex Density Conjecture says that in R^n with a log-convex radial density, balls about the origin minimize weighted perimeter for given weighted volume. We'll discuss some recent progress and generalizations following earlier work by undergraduates. (Received August 10, 2013)