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Elizabeth Meckes* (ese3@case.edu), Dept. of Mathematics, 231 Yost Hall, Case Western Reserve University, Cleveland, OH 44106, and **Mark Meckes**. *On the equivalence of modes of convergence for log-concave measures.*

An important theme in recent work in asymptotic geometric analysis is that many classical implications between different types of geometric or functional inequalities can be reversed in the presence of convexity assumptions. I will discuss recent work with M. Meckes in which we explore the extent to which different notions of distance between probability measures are comparable for log-concave distributions. Our results imply that weak convergence of isotropic log-concave distributions is equivalent to convergence in total variation, and is further equivalent to convergence in relative entropy when the limit measure is Gaussian. (Received September 02, 2014)