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WORKSHOP ON CONVEXITY AND ASYMPTOTIC GEOMETRIC ANALYSIS  
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What is the perimeter of a log-concave function ?

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Given a log-concave function  $f$  defined in  $\mathbb{R}^n$ , we consider the total variation of  $f$  in  $\mathbb{R}^n$  (which, under some regularity assumptions, is just the  $L^1$  norm of the gradient of  $f$ ). We describe several properties of this quantity, which suggest (or confirm) that it should be interpreted as the natural extension to log-concave functions of the notion of perimeter of convex bodies.

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