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Grigorios Paouris* (grigoris_paouris@yahoo.co.uk), 2709 Wndwood Dr, College Station, TX 77845. *Supergaussian directions and the Hyperplane Conjecture.*

Let μ a log-concave isotropic probability measure in \mathbb{R}^n . We will discuss the connection of small ball probability estimates, existence of supergaussian directions for such a measure with a well known conjecture in Convex geometry , known as the Hyperplane Conjecture. (Received September 17, 2008)