## Mathematics > Functional Analysis

## A remark on the slicing problem

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(Submitted on 22 Jul 2011)
The purpose of this article is to describe a reduction of the slicing problem to the study of the parameter $I \_1\left(K, Z \_q^{\wedge} o(K)\right)=$ lint $\_K\|<:, x>\| \_\left\{L \_q(K)\right\} d x$. We show that an upper bound of the form I_1(K,Z_q^o(K))\eq C_1q^s\sqrt\{n\}L_K^2, with 1/2\leq s\leq 1, leads to the estimate L_n\leq \frac\{C_2 \sqrt[4]\{n\}log(n)\} \{q^\{(1-s)/2\}\}, where L_n:= max \{L_K : K is an isotropic convex body in $\left.R^{\wedge} n\right\}$.

Comments: 24 pages
Subjects: Functional Analysis (math.FA); Metric Geometry (math.MG)
MSC classes: 52A23, 46B06, 52A40
Cite as: arXiv:1107.4527 [math.FA]
(or arXiv:1107.4527v1 [math.FA] for this version)

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