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A direct proof of the functional Santalo inequality

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We give a simple proof of a functional version of the Blaschke-Santalo inequality due to Artstein, Klartag and Milman. The proof is by induction on the dimension and does not use the Blaschke-Santalo inequality.

Comments: 4 pages, file might be slightly different from the published version

Subjects: **Functional Analysis (math.FA)**

MSC classes: 26D15 (52A40)

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