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Alexey Goncharov and **Dmitry Ryabogin*** (ryabogin@math.kent.edu), Kent, OH 44242. *On a question of A. Koldobsky.*

We construct an example of a non-convex star-shaped origin-symmetric body $D \subset R^3$ such that its section function $A_{D,\xi}(t) := \text{area}(D \cap \{\xi^\perp + t\xi\})$ is decreasing in $t \geq 0$ for every fixed direction $\xi \in S^2$. (Received August 13, 2008)