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V. Yaskin* (yaskin@ualberta.ca) and **M. Yaskina**. *Thick sections of convex bodies*. Preliminary report.

It is a well-known result that origin-symmetric star bodies are uniquely determined by the areas of their central hyperplane sections. However, it is an open question whether the knowledge of the volumes of “thick sections” (i.e. sections by slabs) is sufficient to determine a body uniquely. We give a positive answer to this question for some particular classes of bodies. (Received August 26, 2013)