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**Alexander Koldobsky\*** (koldobskiya@missouri.edu), Department of Mathematics, University of Missouri, Columbia, MO 65211, and **Artem Zvavitch**. *Inequalities for the Radon transform on convex sets.*

We extend several results from convex geometry to general functions in place of volume. In particular, we prove a mean value inequality for the Radon transform. (Received August 05, 2020)