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Alina Stancu* (alina.stancu@concordia.ca), Department of Mathematics and Statistics,
Montreal, QC H3G 1C9. *An application of curvature flows to convexity.*

We will present a class of $SL(n)$ invariant curvature flows on smooth strictly convex hypersurfaces in \mathbb{R}^n whose long term existence and asymptotic behavior have implications in the theory of convex bodies. We will report also on some adjacent results obtained by M. Najafi Ivaki. (Received September 02, 2012)