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Hypersurface flow by the power of the Gauss curvature

The Gauss curvature flow was initiated by Firey to model the tumbling of stones. For the flow by the special powers of the Gauss curvature it was studied by Ben Chow for the power of $1/n$, and by Ben Andrews for the affine normal (power of $\frac{1}{n+2}$) as well as other small powers. In this talk I shall explain a unified method which proves the convergence for general powers in any dimension. This is a joint work with Ben Andrews and Pengfei Guan.