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**Peter McGrath\*** ([peter\\_mcgrath@brown.edu](mailto:peter_mcgrath@brown.edu)), Department of Mathematics, Box 1917, 151 Thayer Street, Providence, RI 02912. *New Examples of Closed Mean Curvature Flow Self-Shrinking Surfaces.*

Self-similar solitons, and in particular self-shrinking surfaces for the Mean Curvature Flow, are models for the formation of singularities in Mean Curvature Flow. Despite their importance, relatively few examples of self-shrinking surfaces have been rigorously shown to exist. I will describe a recent construction of an infinite family of closed, embedded self-shrinking surfaces. (Received September 05, 2015)