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Theodora Bourni, Mat Langford* (mlangfo5@utk.edu) and **Giuseppe Tinaglia**. *Ancient and translating solutions to geometric flows.*

A deep result of X.-J. Wang states that a convex, compact ancient solution (resp. a convex translating solution) to mean curvature flow either sweeps out all of space or lies in a stationary slab (the region between two fixed parallel hyperplanes). We will describe recent results on the construction and classification of convex ancient solutions and convex translating solutions of mean curvature flow which lie in slab regions, highlighting the connection between the two. All work is joint with Theodora Bourni and Giuseppe Tinaglia. (Received November 30, 2018)