ANCIENT CONVEX SOLUTIONS TO MEAN CURVATURE FLOW

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By a celebrated result of Huisken, and Gage & Hamilton, all convex compact solutions to mean curvature flow converge to spheres after renormalization. For ancient solutions, i.e. compact solutions that are defined for all $t < 0$, Daskalopoulos, Hamilton, and Sesum found in the one dimensional case that there are essentially two possible solutions. In this talk I will discuss what happens in higher dimensions.