MEAN CURVATURE FLOW OF TWO-CONVEX HYPERSURFACES

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ABSTRACT. We describe recent progress on the mean curvature evolution of smooth, closed, two-convex hypersurfaces in Euclidean space. In particular, we present two global interpretations of MCF — the flow with surgeries and the so-called weak evolution — and we discuss regularity estimates for these solutions. Finally, we present some open problems in regularity theory for MCF.