

# Self-Shrinkers of the Mean Curvature Flow in Euclidean Space with Arbitrary Codimension

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Abstract: In this talk, we will report our results about self-shrinkers of the mean curvature flow in Euclidean space with arbitrary codimension, which include: lower volume growth estimates for self-shrinkers; classification and rigidity of self-shrinkers; the diameter estimate of compact shrinkers; gap theorems of self-shrinkers and  $F$ -stability for self-shrinkers.