UNIVERSIDAD DE GRANADA

Departamento de
Geometría y Topología

Mean Curvature Flow with Boundary

Desde el Jue, 25/03/2021 - 18:00

Novedades

Brian White (Stanford University)

Almost all of the extensive research on mean curvature flow has been for surfaces without boundary. However, it is interesting and natural to consider MCF for surfaces with boundary. In this talk, a useful weak formulation of such flows that gives existence for all time with arbitrary initial data will be described. Furthermore, under rather mild hypotheses on the initial surface, the moving surface remains forever smooth at the boundary, even after singularities may have formed in the interior. On the other hand, if one relaxes those hypotheses, then interesting boundary singularities can occur.

Sala EINSTEIN UGR (virtual)

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