



Einladung zum Mathematischen Kolloquium

Es spricht am

Montag, den 18.05.2020, um 17 Uhr

Prof. Dr. Gerhard Huisken

(Universität Tübingen)

über das Thema

„Mean curvature flow of mean-convex embedded 2-surfaces in 3-manifolds (joint with Simon Brendle)“

The lecture describes joint work with Simon Brendle on the deformation of embedded surfaces with positive mean curvature in Riemannian 3-manifolds in direction of their mean curvature vector. It is described how to find long-time solutions of this flow, possibly including singularities that are overcome by surgery, leading to a comprehensive description of embedded mean-convex surfaces and the regions they bound in a 3-manifold.

Instead of a "Vorkolloquium", you can find some videos explaining the background here:

<https://www.youtube.com/watch?v=ykGRIm3MKS0> <https://www.youtube.com/watch?v=yFXIGCuaiFk> <https://www.youtube.com/watch?v=zYI3YF6HfWE>

This seminar will meet online. Please sign up by sending an email to Carla Cederbaum.