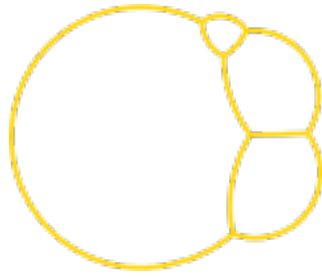


Isoperimetric Problems



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Stability of the ball under volume preserving fractional mean curvature flow

Thursday, 23 June 2022 11:40 (50 minutes)

I will consider the volume preserving fractional mean curvature flow of a nearly spherical set, showing long time existence and exponential convergence to a ball. The main technical tool used in the proof is a quantitative Alexandrov type estimate for nearly spherical sets.

The result applies in particular to convex initial data under the assumption of global existence.

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