



Seminar/Talk

GeomTop Seminar: [30 min incl Q&A] Triangulating submanifolds: An elementary and quantified version of Whitney's method

Mathijs WINTRAECKEN

Host: Herbert Edelsbrunner

The first insightful geometric and constructive proof of the existence of a triangulation of any smooth manifold was given by Hassler Whitney. We quantize Whitney's construction (in terms of the reach of the manifold) to prove the existence of a triangulation for any C^2 manifold, so that we get an algorithm with explicit bounds. We also give a new elementary proof, which is completely geometric. Joint work with Jean-Daniel Boissonnat and Siargey Kachanovich.

Wednesday, June 19, 2019 01:30pm - 02:45pm

Mondi Seminar Room 3, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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