



Seminar/Talk

GeomTop Seminar: Triangulating manifolds: An overview with a focus on Riemannian simplices

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Host: Herbert Edelsbrunner

Defining a simplex on a Riemannian manifold is not straightforward, the convex hull for example is not useful, in all but a few very special cases. In this talk we'll see the construction of Riemannian n -simplices on n -manifolds and conditions for them being homeomorphic to the standard Euclidean n -simplex (which we'll call non-degeneracy conditions). We'll discuss the tools that are used in this definition and non-degeneracy conditions, such as the Toponogov comparison theorem and Riemannian centres of mass.

Wednesday, May 8, 2019 01:00pm - 02:15pm

Mondi Seminar Room 3, Central Building



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