



Mathematics and CS Seminar

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

Mathijs Wintraecken

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

IST Austria Campus Mondi Seminar Room 3, Central Building



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: <https://ist.ac.at/en/campus/how-to-get-here/> The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.