



Invitation to Seminar Talk

Discrete displacement convexity

Jan Maas

IST Austria

Host: Laszlo Erdős

We shall discuss a notion of Ricci curvature that applies to Markov chains on discrete spaces. This notion relies on geodesic convexity of the entropy and is analogous to the one introduced by Lott, Sturm and Villani for geodesic measure spaces. In the discrete setting the role of the Wasserstein metric is taken over by a different metric, having the property that continuous time Markov chains are gradient flows of the entropy. We shall discuss several consequences of Ricci curvature bounds and present some examples.

This is based on joint work with Matthias Erbar (Bonn), Max Fathi (Paris 6), and Prasad Tetali (Georgia Tech).

Thursday, 5 February 2015, 4:00pm

Mondi2, Central Building, 1st floor



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 (note that the IST Shuttle times are highlighted in dark green):

http://ist.ac.at/fileadmin/user_upload/pdfs/IST_shuttle_bus.pdf

The IST Shuttle bus is marked IST Shuttle and has the Institute Logo printed on the side.

2015-02-05