IST AUSTRIA
Institute of Science and Technology

Mathematics and CS Seminar

On the continuity of the Loewner Map

Atul Shekhar (KTH)

Host: M. Beiglböck, N. Berestycki, L. Erdös, J. Maas

One of the central problem in the theory of Loewner chains is to give a complete understanding of the existence of trace and continuity of the Loewner map which maps the driving function to its trace. We will present some new results dealing with finite energy drivers, bounded variation drivers and 1/2-Holder drivers. In the random case, we will show a smoothing effect of the presence of noise on the boundary behaviour of the associated conformal maps. These results are motivated by rough path theory and we will make a connection of the trace problem to the well understood continuity of the Ito-Lyons map.

Tuesday, November 20, 2018 03:30pm - 04:30pm

Uni Wien BZ 2, 2. OG., OMP 1

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: http://ist.ac.at/fileadmin/user_upload/pdfs/IST_shuttle_bus.pdf The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.