



Seminar/Talk

Laplacians on Infinite Graphs

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Host: Jan Maas

There are two different notions of a Laplacian operator associated with infinite graphs: discrete Laplacians and quantum graphs. Both objects have a venerable history and their spectral theory relates to several diverse branches of mathematics (random walks, combinatorics, geometric group theory, ...). In our talk we explore connections between these two types of operators (spectral, parabolic and geometric properties), and exploit these relations to prove a number of new results in spectral theory for both settings. The talk is based on joint work with Aleksey Kostenko (Ljubljana&Vienna) and Mark Malamud (Donetsk).

Tuesday, February 20, 2024 04:15pm - 05:15pm

Office Bldg West / Ground floor / Heinzl Seminar Room (I21.EG.101)



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

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<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.