



Seminar/Talk

Positivity for quantum canonical bases for cluster algebras

Ben Davison

University of Edinburgh

Host: Tamas Hausel

I will explain how, in recent work with Travis Mandel, we prove that skew-symmetric quantum cluster algebras have positive structure constants. This work combines the language of scattering diagrams arising in the Gross-Siebert approach to mirror symmetry with that of cohomological DT theory, and proceeds by considering the canonical basis constructed from quantum theta functions. I will try to relate this to the canonical bases that are more familiar from geometric representation theory.

Thursday, October 10, 2019 01:30pm - 03:30pm

Heinzel Seminar Room / Office Bldg West (I21.EG.101)



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

Please find a schedule of the ISTA Shuttle on our webpage:

<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.