



## Seminar/Talk

# State integrals, the quantum dilogarithm and knots.

**Stavros Garoufalidis**

Georgia Tech

Host: Laszlo Erdős

State integrals (and their building block, the quantum dilogarithm) express the partition function of complex Chern-Simons theory of triangulated 3-manifolds with boundary. I will give an introduction to the subject, focusing on examples, as well as recent results on expressing state integrals in terms of Neumann-Zagier data and in terms of  $q$ -series of Nahm type. This is work joint in parts with R. Kashaev and D. Zagier.

**Thursday, September 13, 2018 04:00pm - 06:00pm**

Big Seminar room Ground floor / Office Bldg West (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.