



Seminar/Talk

# Jellium and the Uniform Electron Gas

**Asbjorn Lauritsen**

IST Austria

Host: Robert Seiringer

In this talk I will present two different models for a uniform distribution of electrons, that of the Jellium model and that of the Uniform Electron Gas. They are known to give the same energy density in the thermodynamic limit in 3 dimensions and higher and to differ in 1 dimension. I will present both an extension of this equivalence to 2 dimensions and exact evaluations of the energy density for periodic configurations. This is a rotation project with Robert Seiringer.

**Thursday, December 17, 2020 04:15pm - 05:15pm**

Online via Zoom



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.