



Mathematics and CS Seminar

Jellium and the Uniform Electron Gas

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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

IST Austria Campus Online via Zoom



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