



Mathematics and CS Seminar

Lieb-Thirring inequality for wave functions vanishing on the diagonal set

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Host: Robert Seiringer

The Lieb-Thirring inequality is generalized to functions which vanish on the diagonal set of the many-body configuration space, requiring only that the order of the operator is large enough so that the condition becomes non-trivial. The proof is based on a reduction of the proof of a Lieb-Thirring inequality valid for scale-covariant systems satisfying weak' assumptions: translation invariance, superadditivity, and a priori positivity.

This is joint work with Douglas Lundholm and Phan Thanh Nam.

Thursday, February 21, 2019 04:00pm - 06:00pm

IST Austria Campus Big Seminar room Ground floor / Office Bldg West (I21.EG.101)



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