

Chilean Probability Seminar

Orador: Rodrigo Bazaes (University of Münster, Alemania)

Título: Effective Mass of the Fröhlich Polaron: Recent Progress and Open Question.

Resumen: Landau and Pekar (in 1948) and Spohn (in 1987) conjectured that the effective mass $m(\alpha)$ of the Fröhlich Polaron at coupling parameter α grows as α^4 as $\alpha \rightarrow \infty$ with an explicit pre-factor. In a recent joint work with C. Mukherjee, M. Sellke, and S. R. S. Varadhan, we prove the lower bound $m(\alpha) \geq C \alpha^4$, which matches (up to a constant) the corresponding sharp upper bound shown recently by combining the results from Brooks and Seiringer (2022) and Polzer (2023).

El enlace para conectarse al seminario es:

Unirse a la reunión Zoom

<https://reuna.zoom.us/j/84521834914?pwd=OTZ6Y0NWM3pYTGtTbEt3c0luTG96UT09>

ID de reunión: 845 2183 4914

Código de acceso: 997973

Modalidad híbrida en la sala Multimedia CMM, Beauchef 851, Torre Norte Piso 6.
Miércoles 26 de junio 2024 a las 16:15 hrs.