QMath14: Mathematical Results in Quantum Physics

Aarhus University, 12–16 August 2019

Abstract

Plenary

Robert Seiringer (IST Austria)

The polaron at strong coupling

We review old and new results on the Fröhlich polaron model. The discussion includes the validity of the (classical) Pekar approximation in the strong coupling limit, quantum corrections to this limit, as well as the divergence of the effective polaron mass.