Contribution ID: 16 Type: Contributed Talk

Stability of PPT in equilibrium states

Friday 6 June 2025 09:45 (15 minutes)

We use simple spectral perturbation theory to show that the positive partial transpose property is stable under bounded perturbations of the Hamiltonian, for equilibrium states in infinite dimensions. The result holds provided the temperature is high enough, or equivalently, provided the perturbation is small enough.

Author: MERKLI, Marco

Co-author: Mr ZAGRODNIK, Mitch

Presenter: MERKLI, Marco

Session Classification: Mathematical Physics