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KMS states

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Abstract content
 (Max 300 words)

The concept of equilibrium in dynamical quantum mechanical systems is expressed in the mathematically rigorous formalism of operator algebras. The equilibrium state of the canonical ensemble at inverse temperature β can be characterised as a state over the *C-algebra of observables* which satisfies the *KMS boundary condition for the one-parameter-automorphism* group derived from the notion of time evolution in the Heisenberg picture of quantum mechanics.

Apply to be
 consider for a student
 award (Yes / No)?

No

Level for award
(Hons, MSc,
 PhD)?

Hons

Main supervisor (name and email)
and his / her institution

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Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

No

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