

Mathematical Physics

Correlation functions evolution for the Glauber dynamics in continuum

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We construct a correlation functions evolution corresponding to the Glauber dynamics in continuum. Existence of the corresponding strongly continuous contraction semigroup in a proper Banach space is shown. Additionally we prove the existence of the evolution of states and study their ergodic properties.

Subjects: **Mathematical Physics (math-ph)**; Dynamical Systems (math.DS); Functional Analysis (math.FA)

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