Gibbs Evolution Families

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We extend results of Zagrebnov and coauthors on Gibbs semigroups to the nonautonomous case.

Sufficient conditions will be given to evolution equations in the parabolic case so that the generated evolution family belongs to appropriate operator ideals. Applications to Schrödinger operators and the trace class ideal will be also given.

The results were achieved in part in a joint work with Bálint Farkas (Wuppertal). Support by the COST Action CA18232 - Mathematical models for interacting dynamics on networks is acknowledged.