Bogolyubov endomorphisms and non-commutative hyperbolic functions. (English)

Zbl 1465.46064

Summary: We classify Bogolyubov endomorphisms of the CCR algebra over a general test function space. This classification requires a non-commutative extension of the usual hyperbolic functions. We consider semi-groups of such endomorphisms and characterize their generators under the assumption of norm continuity.

MSC:
46L53 Noncommutative probability and statistics
60H40 White noise theory
46L89 Other “noncommutative” mathematics based on C*-algebra theory

Keywords:
Bogolyubov endomorphisms; CCR algebra

Full Text: DOI

References:
[5] Lang, S., Algebra, Addison-Wesley Series in Mathematics (1965), Reading, MA

This reference list is based on information provided by the publisher or from digital mathematics libraries. Its items are heuristically matched to zbMATH identifiers and may contain data conversion errors. It attempts to reflect the references listed in the original paper as accurately as possible without claiming the completeness or perfect precision of the matching.