

Web of Science

Search

Search Results

My Tools ▾

Search History

Marked List

 Look Up Full Text

Save to EndNote online ▾

Add to Marked List

1 of 1

Relative ergodic properties of C^* -dynamical systemsBy: Duvenhage, R (Duvenhage, Rocco)^[1]; Mukhamedov, F (Mukhamedov, Farrukh)^[2]

INFINITE DIMENSIONAL ANALYSIS QUANTUM PROBABILITY AND RELATED TOPICS

Volume: 17 Issue: 1

Article Number: 1450005

DOI: 10.1142/S0219025714500052

Published: MAR 2014

[View Journal Impact](#)

Abstract

We study various ergodic properties of C^* -dynamical systems inspired by unique ergodicity. In particular we work in a framework allowing for ergodic properties defined relative to various subspaces, and in terms of weighted means. Our main results are characterizations of such relative ergodic properties, ergodic theorems resulting from these properties, and examples exhibiting these properties.

Keywords


Author Keywords: Unique ergodicity; unique weak mixing; C^* -dynamical systems; semigroup actions; weighted means; higher order mixing; joinings

KeyWords Plus: NONCOMMUTATIVE TOPOLOGICAL DYNAMICS; MULTITIME CORRELATIONS; MULTIPLE RECURRENCE; UNIQUE ERGODICITY; MIXING PROPERTIES; DIAGONAL MEASURES; TENSOR-PRODUCTS; WEIGHTED MEANS; FREE SHIFTS; ALGEBRAS

Author Information

Reprint Address: Duvenhage, R (reprint author) Univ Pretoria, Dept Phys, ZA-0002 Pretoria, South Africa.

Addresses:

 [1] Univ Pretoria, Dept Phys, ZA-0002 Pretoria, South Africa [2] Int Islamic Univ Malaysia, Fac Sci, Dept Computat & Theoret Sci, Kuantan 25710, Pahang, Malaysia**E-mail Addresses:** rocco.duvenhage@up.ac.za; far75m@gmail.com

Funding

| Funding Agency | Grant Number |
|--|------------------------------------|
| National Research Foundation of South Africa | |
| MOHE | FRGS11-022-0170 ERGS13-024-0057 |

[View funding text](#)

Publisher

WORLD SCIENTIFIC PUBL CO PTE LTD, 5 TOH TUCK LINK, SINGAPORE 596224, SINGAPORE

Categories / Classification

Research Areas: Mathematics; Physics**Web of Science Categories:** Mathematics, Applied; Physics, Mathematical; Statistics & Probability

Citation Network

2 Times Cited

[54 Cited References](#)[View Related Records](#)

Create Citation Alert

(data from Web of Science Core Collection)

All Times Cited Counts

2 in All Databases

2 in Web of Science Core Collection

0 in BIOSIS Citation Index

0 in Chinese Science Citation Database

0 in Data Citation Index

0 in Russian Science Citation Index

0 in SciELO Citation Index

Usage Count

Last 180 Days: 0

Since 2013: 0

[Learn more](#)

Most Recent Citation

Viselter, Ami. [Weak mixing for locally compact quantum groups](#). ERGODIC THEORY AND DYNAMICAL SYSTEMS, AUG 2017.

[View All](#)

This record is from:

Web of Science Core Collection
- Science Citation Index Expanded

Suggest a correction

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

Document Information**Document Type:** Article**Language:** English**Accession Number:** WOS:000334520100005**ISSN:** 0219-0257**eISSN:** 1793-6306**Journal Information****Impact Factor:** [Journal Citation Reports](#)**Other Information****IDS Number:** AF2CL**Cited References in Web of Science Core Collection:** [54](#)**Times Cited in Web of Science Core Collection:** [2](#)

1 of 1