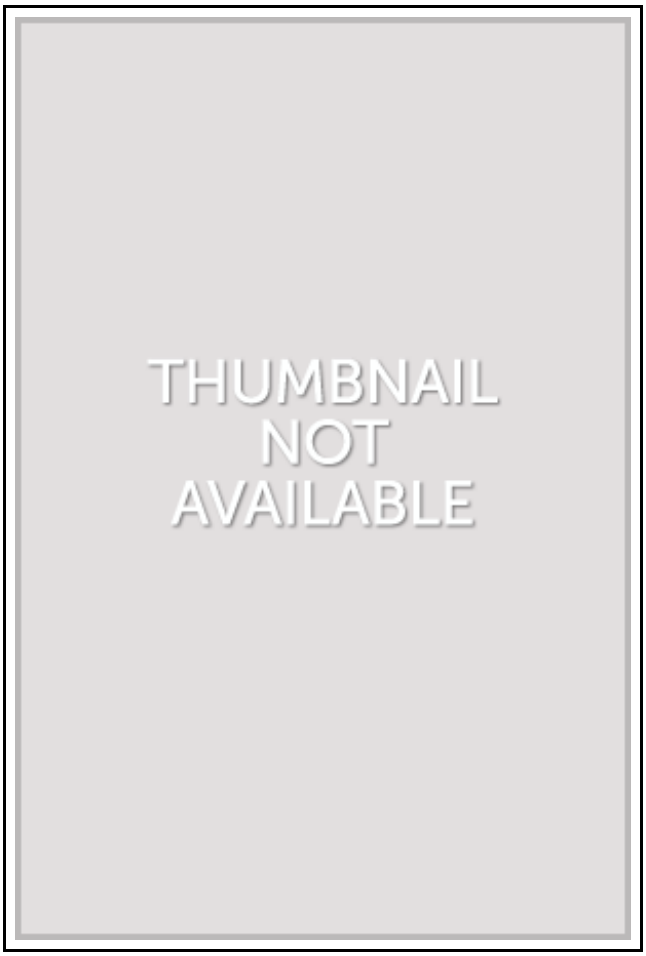
# Rigidity Theorems for Actions of Product Groups and Countable Borel Equivalence Relations




Filesize: 3.13 MB

### *Reviews*

*Without doubt, this is the very best function by any writer. It typically will not charge too much. I discovered this publication from my dad and i encouraged this pdf to discover.*
***(Clement Stanton)***

# RIGIDITY THEOREMS FOR ACTIONS OF PRODUCT GROUPS AND COUNTABLE BOREL EQUIVALENCE RELATIONS

DOWNLOAD

American Mathematical Society. Paperback. Book Condition: new. BRAND NEW, Rigidity Theorems for Actions of Product Groups and Countable Borel Equivalence Relations, Greg Hjorth, A. S. Kechris, This memoir is both a contribution to the theory of Borel equivalence relations, considered up to Borel reducibility, and measure preserving group actions considered up to orbit equivalence. Here $E$ is said to be Borel reducible to $F$ if there is a Borel function $f$ with $x E y$ if and only if $f(x) F f(y)$. Moreover, $E$ is orbit equivalent to $F$ if the respective measure spaces equipped with the extra structure provided by the equivalence relations are almost everywhere isomorphic. We consider product groups acting ergodically and by measure preserving transformations on standard Borel probability spaces.In general terms, the basic parts of the monograph show that if the groups involved have a suitable notion of 'boundary' (we make this precise with the definition of near hyperbolic), then one orbit equivalence relation can only be Borel reduced to another if there is some kind of algebraic resemblance between the product groups and coupling of the action. This also has consequence for orbit equivalence. In the case that the original equivalence relations do not have non-trivial almost invariant sets, the techniques lead to relative ergodicity results. An equivalence relation $E$ is said to be relatively ergodic to $F$ if any $f$ with $xEy \Rightarrow f(x) F f(y)$ has $[f(x)]_F$ constant almost everywhere.This underlying collection of lemmas and structural theorems is employed in a number of different ways. In the later parts of the paper, we give applications of the theory to specific cases of product groups. In particular, we catalog the actions of products of the free group and obtain additional rigidity theorems and relative ergodicity results in this context. There is a rather...

Read Rigidity Theorems for Actions of Product Groups and Countable Borel Equivalence Relations Online
Download PDF Rigidity Theorems for Actions of Product Groups and Countable Borel Equivalence Relations

## See Also




**Writing for the Web (Paperback)**

DIRECTORY OF SOCIAL CHANGE, United Kingdom, 2000. Paperback. Book Condition: New. 210 x 145 mm. Language: English . Brand New Book. Writing for the web is unlike other types of writing you may undertake at...

Save eBook »



**No Friends?: How to Make Friends Fast and Keep Them (Paperback)**

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Do You Have NO Friends ? Are you tired of not having any...

Save eBook »



**THE Key to My Children Series: Evan s Eyebrows Say Yes (Paperback)**

AUTHORHOUSE, United States, 2006. Paperback. Book Condition: New. 274 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.THE KEY TO MY CHILDREN SERIES: EVAN S EYEBROWS SAY YES is about...

Save eBook »



**History of the Town of Sutton Massachusetts from 1704 to 1876 (Paperback)**

Createspace, United States, 2015. Paperback. Book Condition: New. annotated edition. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.This version of the History of the Town of Sutton Massachusetts...

Save eBook »



**Readers Clubhouse Set B Time to Open (Paperback)**

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. 222 x 148 mm. Language: English . Brand New Book. This is volume nine, Reading Level 2, in a comprehensive program (Reading Levels 1...

Save eBook »