

1038-37-256

Lewis Phylip Bowen* (lpbowen@math.hawaii.edu), 2565 McCarthy Mall, Keller 409, Honolulu, HI 96822. *A new isomorphism invariant for free group actions.*

The invariant of the title can be used to completely classify Bernoulli shifts over a free group, thereby answering a question of Ornstein and Weiss. The new invariant is similar in some respects with the Kolmogorov-Sinai entropy for \mathbb{Z} -actions. (Received February 11, 2008)