THE CIRCLE IS NOT THE BOUNDARY OF THOMPSON'S GROUP T AND SPACE OF SUBGROUPS OF WREATH PRODUCTS

MARTÍN GILABERT AND EDUARDO SILVA

ABSTRACT.

1. THOMPSON'S GROUP T

Theorem 1.1. *Let μ be a non-degenerate finitely supported probability measure on Thompson's group T. Let ν be the unique stationary measure on the circle S^1 such that (S^1, ν) is a μ-boundary of T. Then (S^1, ν) is not the Poisson boundary of (T, μ).*

2. THE CONDITIONAL ENTROPY CRITERION AND NON-MAXIMALITY OF A μ-BOUNDARY

3. STRATEGY FOR THE PROOF OF THEOREM

REFERENCES

Email address, Martín Gilabert: gilabert@math.univ-lyon1.fr, martingilabertvio@gmail.com

INSTITUT CAMILLE JORDAN, UNIVERSITÉ CLAUDE BERNARD LYON 1, 43 BOULEVARD DU 11 NOVEMBRE 1918, 69622 VILLEURBANNE, FRANCE.

Email address, Eduardo Silva: eduardo.silva@ens.fr, edosilvamuller@gmail.com

DÉPARTEMENT DE MATHÉMATIQUES ET APPLICATIONS, ÉCOLE NORMALE SUPÉRIEURE, PSL RESEARCH UNIVERSITY, 45 RUE D'ULM, 75005, PARIS, FRANCE.