

# ALMOST 1-1 EXTENSIONS OF FURSTENBERG-WEISS TYPE AND TEST FOR AMENABILITY

JAIME GÓMEZ ORTIZ

ABSTRACT. Let  $G$  be an infinite countable group. We say that a class  $\mathcal{T}$  of  $G$ -dynamical systems is a test for amenability if  $G$  is amenable provided that every dynamical system in  $\mathcal{T}$  admits an invariant Borel probability measure. In this talk, we will discuss how the class of Toeplitz subshifts of a residually finite group determines a test for amenability based on the use of almost 1-1 extensions of Furstenberg-Weiss type. This is joint work with María Isabel Cortez.