1139-52-224 **Alexey Garber*** (alexeygarber@gmail.com). *Measuring weighted cut-and-project sets.*
A cut-and-project set X in $\mathbb{R}^d$ can be constructed (in a simplest case) as a projection of points of a $(d+n)$-dimensional lattice Λ in a certain neighborhood, called *window* W, of n-dimensional space onto $\mathbb{R}^d$.

One of the ways to construct a measure μ_X associated with X is taking the Dirac comb associated with the set . In that case if the window of the cut and project set X is a projection of a fundamental cell of Λ, then the measure μ_X will be close to a uniform measure in a certain sense. This is almost

In this talk we will discuss how we can construct a measure associated with a cut-and-project set using a function supported by the window W. In particularly we will sketch proof that in case $d = n = 1$ any window and any continuous piecewise linear or twice differentiable function with bounded second derivative will define a measure close to a uniform measure. (Received February 12, 2018)