

Diophantine Approximation, Fractal Geometry and Related topics /
Approximation diophantienne, géométrie fractale et sujets connexes

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Infinitely badly approximable affine forms

In this talk, we will consider infinitely badly approximable affine forms in the sense of inhomogeneous Diophantine approximation. We introduce a new concept of singularity for affine forms and characterize the infinitely badly approximable property by this singular property. We also discuss some applications of this characterization.