

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

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Rational points near manifolds and the Khintchine theorem

We discuss a problem in Diophantine approximation which is related to counting rational points near a manifold. The proof uses tools from homogeneous dynamics and geometry of numbers. This is a joint work with Victor Beresnevich.