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Ergodic Theory Over $\mathbb{F}_2[[T]]$

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Abstract: In cryptography and coding theory, it is important to study the pseudo-random sequences and the ergodic transformations. We already have the \mathbb{Z} -Lipshitz ergodic theory over \mathbb{Z}_2 established by V. Anashin and others. In this paper we present an ergodic theory over $\mathbb{F}_2[[T]]$ and some ideas which might be very useful in applications.

Category / Keywords: foundations / pseudo-randomness, ergodic

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