
Fractal dimensions and complexity of infinite sequences with positive entropy

Carlos Gustavo Moreira*†¹

¹IMPA – Brazil

Abstract

Let A be the finite alphabet $A = \{0, 1, \dots, q-1\}$

\$. Given an infinite word $w \in A^{\mathbb{N}}$ and $n \in \mathbb{N}$, we denote by $p_w(n)$ the number of factors of size n of w . Given a function

*Speaker

†Corresponding author: gugu@impa.br