ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO A GUEST LECTURE

A Family of Measures Related to Automata and Pisot Numbers

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ABSTRACT

We study measures that are obtained as push-forwards of measures of maximal entropy on sofic shifts under digital maps $(x_k)_{k\in\mathbb{N}} \mapsto \sum_{k\in\mathbb{N}} x_k \beta^{-k}$, where $\beta > 1$ is a Pisot number. We characterise the continuity of such measures in terms of the underlying automaton and show a purity result.

We hope to see you there!