

Title: Dynamical and spectral properties of some shift spaces of number-theoretic origin

Abstract: While B -free systems in one dimension have been studied for a long time, considerably less is known on their higher-dimensional analogues. Starting from the visible points of the integer lattice, a large class of such systems emerge via k -free integers in algebraic number fields. We discuss typical examples with some focus on their spectral properties and on topological invariants such as entropy and (extended) symmetries.