1098-37-167 Christian Huck* (huck@math.uni-bielefeld.de), Fakultät für Mathematik, Universität Bielefeld, Postfach 100131, D-33501 Bielefeld, Germany. Dynamical properties of k-free lattice points.

We revisit the visible points of a lattice in Euclidean n-space together with their generalisations, the kth-power-free points of a lattice, and study the corresponding dynamical system that arises via the closure of the lattice translation orbit. This is joint work with Michael Baake. (Received January 24, 2014)