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Polynomial Odometers.

In this talk, we will discuss a class of adic maps which we call "Polynomial Odometers". These are adic maps defined by a sequence of polynomials with positive integer coefficients. This class includes the well-studied Pascal and Stirling adic systems as well as the classical odometers. We describe the ordered groups associated for these systems and use this description to explore the space of invariant measures, a main subject of interest in this category. (Received August 23, 2011)