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Lori Alvin* (lalvin@bradley.edu), **Drew Ash** and **Nic Ormes**. *Topological Speedups of Odometers and Substitutions*.

Let (X, T) and (Y, f) be minimal Cantor systems. We say that (Y, f) is a *speedup* of (X, T) if (Y, f) is topologically conjugate to (X, S) , where S is a minimal homeomorphism of X defined by

$$S(x) = T^{p(x)}(x),$$

with $p : X \rightarrow \mathbb{Z}^+$. We study two families of dynamical systems, namely odometers and substitutions, and investigate the effects of a speedup on the original system. (Received September 16, 2015)