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**Ted Theodosopoulos\*** (ttheodosopoulos@saintannsny.org), 129 Pierrepont St, Brooklyn, NY 11201. *An algebraic framework for random satisfiability*. Preliminary report.

We introduce the ‘truncator’ map as a dynamical system on the space of configurations of a random Boolean network. We represent the resulting symbolic dynamics as a non-commutative ring and attempt to classify its periodic orbits. We construct a stochastic model on the space of endomorphisms of the resulting algebraic structures, and use it to probe the complexity of random satisfiability problems. (Received September 16, 2013)