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David Milan* (dmilan@uttyler.edu), **Aria Beaupré**, **Anthony Dickson** and **Christin Sum**.
On inverse hulls of Markov subshifts. Preliminary report.

We consider the problem of determining when the inverse hulls of two Markov subshifts are isomorphic. For three important invariants—the entropy, the Bowen-Franks group, and the period—we give examples of Markov subshifts that differ in the invariant, yet give isomorphic inverse hulls.

The key tool in building the examples is an abstract characterization of the inverse semigroups that are isomorphic to inverse hulls of Markov subshifts. (Received September 11, 2019)