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Joseph L Herning* (jherning@nvcc.edu). *Bijjective substitutions without pure discrete subshift factors.*

We show how to construct bijective substitutions which do not admit topological subshift factors with infinite pure discrete spectrum. We first show how in the case of certain constant-length substitutions it is possible to realize all non-trivial such factors as substitutions. Then, we find among bijective substitutions examples for which the process can never yield a coincident substitution. Finally I will show some interesting visualizations of the spectra of substitution systems. (Received January 27, 2014)