

1154-37-1805

Eugen Andrei Ghenciu* (ghenciue@uwstout.edu). *Iterated constructions generated by countable non specified shifts*. Preliminary report.

In this presentation we look at iterated constructions in n dimensional Euclidean spaces that are generated by countable (finite or infinite) non specified shifts. Particular attention will be paid to balanced and super multiplicative shifts. As a main result we prove the Bowen formula, which connects the Hausdorff dimension of the limit set of the iterated construction and the zero of the associated topological pressure. (Received September 16, 2019)