

The 25th NBSAN Meeting

18th January 2017, York

Abstracts

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Universal words and sequences

Given a semigroup, I am particularly interested in finding (preferably minimal) generating set of the semigroup. However, every generating set of an uncountable semigroup must be of the same cardinality as the semigroup itself, in which case generating sets proved very little new information about the structure of the semigroup. In this talk, I will introduce notions of universal words and universal sequences for semigroups, and apply these notions to the transformation monoids.