

2012 Minho Meeting on Semigroups - 4th June 2012

Transformation Semigroups: order and orientation

Vítor Hugo Fernandes

In this talk we focus our attention on certain semigroups of transformations on a finite chain. Namely, we consider semigroups of order/orientation preserving transformations as well as some more comprehensive classes. Results, old and new, relating to pseudovarieties, presentations, congruences, ranks, cardinals, endomorphisms, automorphisms, maximal subsemigroups, etc, will be surveyed.