Speaker: Casey Donoven (Binghamton)

Title: Intersection Numbers and Minimal Subbases

Combinatorics Seminar,

Given a finite semigroup \$S\$, define \$\Phi(S)\$ to be the intersection of all maximal subsemigroups of \$S\$, also known as the Frattini subsemigroup of \$S\$. The intersection number of \$S\$ is the minimum number of maximal subsemigroups whose intersection is \$\Phi(S)\$. I will speak about a particular example of a semigroup with an interesting intersection number. In this example, the intersection number is equivalent to the minimum size of a subbasis of the discrete topology on a finite set, which is known.

From: https://www2.math.binghamton.edu/ - Department of Mathematics and Statistics, Binghamton University

×

Permanent link: https://www2.math.binghamton.edu/p/seminars/comb/abstract.202003don

Last update: 2020/05/18 03:25