

Russ Woodroofe (Mississippi State)

A Broad Class of Shellable Lattices

Abstract for the Combinatorics Seminar 2016 May 16

Motivated by the problem of shelling the order congruence lattices of finite posets, we have discovered a new broad class of shellable lattices. The definition of the class is, viewed from one perspective, a purely lattice-theoretic analogue of (the subgroup lattice of) a solvable group. Our construction gives a unified proof of shellability for many of the known examples of shellable lattices.

This is joint work with Jay Schweig.

From:

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

Permanent link:

<https://www2.math.binghamton.edu/p/seminars/comb/abstract.201605woo>

Last update: **2020/01/29 19:03**

