

Stephanie van Willigenberg (Cornell University)

Zigzags and Algebra

Abstract for the Combinatorics and Number Theory and Algebra Seminars 2001 February 20

Given the numbers $1, 2, \dots, n$ listed in any order, we can form the up-blank zigzag shape of the list. It can be seen that given a specific zigzag there is often more than one list from which it could have come. Moreover, if we make a formal sum of all the lists that yield the same zigzag it turns out this forms the basis for a zigzag algebra, which comes complete with an easy-to-use multiplication rule. In this talk we will be introduced to zigzags, the algebra they form, a few of their properties, and where else they arise in mathematics.

From:

<http://www2.math.binghamton.edu/> - **Binghamton University Department of Mathematical Sciences**

Permanent link:

<http://www2.math.binghamton.edu/p/seminars/comb/abstract.200102vw>

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

