

# Garry Bowlin (Binghamton)

## Non-Crossing Partitions, I and II

### Abstract for the Combinatorics Seminar 2008 October 14, 21

The first talk is an introductory talk on non-crossing partitions of a circularly ordered set based on Kreweras' original paper. A non-crossing partition of  $n$  points on a circle is a partition  $\pi$  such that, if you draw all the chords joining points in the same block of  $\pi$ , there are no crossing chords. The theory is remarkably rich and has become more and more important.

The second talk on non-crossing partitions takes up questions of enumeration: how many non-crossing partitions are there, how many have a given type, et al.

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