

# Wide subcategories of uniserial categories and noncrossing partitions

Adam-Christiaan van Roosmalen

**Contact:** [adamchristiaan.vanroosmalen@uhasselt.be](mailto:adamchristiaan.vanroosmalen@uhasselt.be), Hasselt University

**Abstract:** Consider a finite-dimensional hereditary algebra  $A$  and let  $C$  be the category of finite-dimensional  $A$ -modules. Based on work by Ingalls-Thomas and Igusa-Schiffler, it is known that the lattice of finitely generated wide subcategories of  $C$  is isomorphic to the lattice of noncrossing partitions of a well-chosen Coxeter group.

In this talk, I will discuss a similar correspondence between serial Krull-Schmidt categories and noncrossing partitions of type A and type B.