ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO THE DOCTORAL SEMINAR

Patterns in Rectangulations

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Chaired by Andrei Asinowski | Department of Mathematics

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ABSTRACT

A rectangulation is a decomposition of a rectangle into a finite number of interior rectangles. A configuration of segments which do not cross or share endpoints is called a pattern. In this talk I will give an overview of the classical enumeration results for rectangulations before diving into the emerging study of pattern avoidance in rectangulations. I will highlight connections to a variety of combinatorial objects, including permutations, inversion sequences, binary trees, parking functions, and Dyck paths. This talk includes joint work with Andrei Asinowski, Kyle Celano, Jennifer Elder, Namrata, and Torsten Mütze.

We hope to see you there!