

ICECA

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DESCENT ENUMERATION OVER PATTERN-AVOIDING CLASSES

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The notion of descents of permutations may be traced back to Euler. We will describe the descentset distribution over distinguished pattern avoiding classes, with a focus on algebraic applications and implications.

Based on joint works with Ron Adin, Christos Athanasiadis, Eli Bagno, Jonathan Bloom and Sergi Elizalde.