

Growth rates of permutation classes

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007 Kemeny Hall, 4:00 pm
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Abstract

A permutation class is a set of permutations closed under the natural combinatorial notion of subpermutation. The study of permutation classes, and in particular their enumeration has been an active area of research; spurred initially by the observation of strange coincidences in their enumerative sequences. The resolution, early this century, by Marcus and Tardos of the Stanley-Wilf conjecture has focused attention on the exponential growth rates of these classes. I will discuss the problem of characterizing the growth rates which can occur.