Guangzhou Discrete Mathematics Seminar

Mahonian statistics for set partitions

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A partition of the set $[n] := \{1, 2, \ldots, n\}$ is a collection of disjoint nonempty subsets of $[n]$, whose union is $[n]$. In this talk, we consider a rarely used representation for set partitions, and we find that many of the Mahonian statistics are equidistributed on set partitions via this representation.

QR code of the
seminar series