

The r -generalization of combinatorial numbers

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(joint work with István Mező and Gabriella Rácz)

A.Z. Broder defined r -Stirling numbers of the first and second kind, which were later rediscovered by R. Merris, while I. Mező introduced r -Bell numbers. In our talk we give the r -generalization of further combinatorial numbers like Lah numbers, Fubini numbers and Eulerian numbers, moreover we study their properties, identities and connections.