

1106-11-2816      **Karl Mahlburg\*** ([mahlburg@math.lsu.edu](mailto:mahlburg@math.lsu.edu)), 228 Lockett Hall, Department of Mathematics,  
Baton Rouge, LA 70803. *Asymptotic behavior of distinct parts partitions without sequences.*

MacMahon initiated the study of partitions without sequences, which means that no consecutive integers occur as parts. This was later generalized to partitions without sequences of length  $k$  by Andrews and Holroyd-Liggett-Romik. In this talk I will present combinatorial and asymptotic results for partitions into distinct parts with short sequences. The case  $k=2$  corresponds to the famous Rogers-Ramanujan partition identities. (Received September 16, 2014)