

1086-05-1930 **M. D. Atkinson, Michael H. Albert and Vincent Vatter*** (vatter@ufl.edu). *Subclasses of the separable permutations.*

The separable permutations are those avoiding the patterns 2413 and 3142, or more informatively, those formed from the singleton permutation by repeated sums and skew sums. We prove that all subclasses of the separable permutations which do not contain Av(231) or a symmetry of this class have rational generating functions. (Received September 24, 2012)