

1123-05-357

Rosa Orellana (rosa.c.orellana@gmail.com), NH , and **Michael Zabrocki***
(zabrocki@mathstat.yorku.ca), Toronto, Ontario , Canada. *Pieri rules and combinatorics of
symmetric group characters.*

The characters of the general linear group are the Schur functions and they form a basis of the symmetric functions. The permutation matrices are a subgroup of the general linear group and, seen in the right way, their characters can also be expressed as symmetric functions and they form a basis. We will present several equivalent definitions for the character symmetric functions coming from orthonormality arising from a scalar product and from Pieri rules. This is joint work with Rosa Orellana. (Received August 30, 2016)