

1041-05-117

**Richard Brak\*** ([r.brak@ms.unimelb.edu.au](mailto:r.brak@ms.unimelb.edu.au)), Department of Mathematics and Statistics, The University of Melbourne, Parkville, Melbourne, Vic 3010, Australia, and **P. Fijn**. *An involution for the enumeration of alternating sign matrices.*

An involution will be defined which leads to an expression for the number of alternating sign matrices. Unlike the compact product form of Mills, Robbins and Rumsey, the involution leads to a result which is a summation over products of binomial coefficients. The involution can also be adapted to enumerate osculating lattice paths. (Received August 06, 2008)