

1086-46-2274

James A Mingo* (mingo@mast.queensu.ca), Department of Mathematics and Statistics,
Queen's University, Kingston, Ontario K7L 3N6, Canada, and **Mihai V Popa**
(popa@mast.queensu.ca) and **C. Emily I. Redelmeier** (emily.redelmeier@math.u-psud.fr).
Second Order Freeness and Orthogonal Random Matrices.

Second order freeness is a property exhibited by many ensembles of random matrices. In recent work with Mihai Popa and Emily Redelmeier we have shown that Haar distributed random orthogonal matrices are real asymptotically free of second order from independent and orthogonally invariant ensembles. (Received September 25, 2012)