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Ionel Popescu*, Georgia institute of Technology, School of Mathematics, 686 Cherry Street, Atlanta, GA 30332, and **Christian Houdre**. *Refinements of the Free Poincare Inequality*.

The free Poincare inequality, at least in one dimension, has a similar flavor to the classical one, though there are some differences. In this talk I will extend it in two direction. One is in the sense of Brascamp-Lieb and the other direction which is applicable to the semicircular law and it's the parallel of a classical result due to Houdre and others.

This is joint work with Christian Houdre. (Received September 11, 2013)