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**Almut Burchard\*** ([almut@math.utoronto.ca](mailto:almut@math.utoronto.ca)). *Stability of the rearrangement inequality for the Coulomb energy.*

It is well-known that the Coulomb energy of a (positive) charge distribution increases, if the distribution is rearranged to be symmetric decreasing. One may ask if a charge distribution whose Coulomb energy is close that of its rearrangement must already be close to symmetric about some point? I will present a simple stability result on the Coulomb energy and sketch its proof. (Joint work with Gregory Chambers, [greg.chambers@utoronto.ca](mailto:greg.chambers@utoronto.ca)) (Received September 07, 2009)