1116-30-819 **Rajesh Pereira*** (`pereirar@uoguelph.ca`), Department of Mathematics and Statistics, University of Guelph, 50 Stone Road E., Guelph, Ontario N1H 2W1, Canada. *Majorization and the Zeros of Entire Functions.* Preliminary report.

The majorization and log-majorization partial orders have proved very useful in the theory of inequalities. We describe a natural connection between Jensen's formula and weak log-majorization relations on the zero sets of entire functions. Connections to Mahler measure, Lehmer's conjecture and other inequalities are also explored. (Received September 13, 2015)