

962-60-1160

**John P Nolan\*** (jpnolan@american.edu), Math/Stat Department, 4400 Massachusetts Avenue, NW, Washington, DC 20016-8050. *Metrics for multivariate stable distributions*. Preliminary report.

We define a metric between two multivariate stable distributions (possibly nonsymmetric) in terms of the projection parameter functions. Convergence with respect to this metric is equivalent to convergence in distribution. This work generalizes earlier work on symmetric stable distributions and discretizing spectral measures. This metric is related to the Prokhorov distance between the two corresponding spectral measures. (Received October 02, 2000)