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John P Nolan* (jpnolan@american.edu), Math/Stat Department, Gray Hall, American University, 4400 Massachusetts Avenue, NW, Washington, DC 20016-8050, and **U. Tuncay Alparslan** (alparsla@american.edu), Math/Stat Department, Gray Hall, American University, 4400 Massachusetts Avenue, Washington, DC 20016-8050. *Measuring independence for stable distributions.*

There are several measures of dependence for stable laws, but none of them characterize independence. We propose a measure that uses the directional scale function and does characterize independence. Properties of this measure are explored and a test based on the sample estimations of the directional scale function is given. (Received July 15, 2014)