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Martin Henk* (henk@math.tu-berlin.de). *Cone-volume measure of convex bodies.*

We show that the cone-volume measure of a convex body with centroid at the origin satisfies the subspace concentration condition. This implies, among others, a conjectured best possible inequality for the U-functional of a convex body. For both results we provide stronger versions in the sense of stability inequalities.

(This is joint work with Károly J. Böröczky) (Received August 15, 2014)