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Rick Vitale* (r.vitale@uconn.edu), PO Box 805, Wallingford, CT 06492. *Intrinsic volumes*. Preliminary report.

Intrinsic volumes are key functionals defined on convex bodies and figure in a number of different questions. Here we discuss in particular their connections with Gaussian processes, with the Wills functional, and with some open problems, as time permits. (Received September 13, 2010)