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Roman Vershynin* (romanv@umich.edu), University of Michigan, Department of Mathematics, 530 Church St, Ann Arbor, MI 48105. *Concentration of measure, convex geometry and random matrices.*

Concentration of measure provided us with a new look at independence in probability theory. In this talk will survey some recent developments in concentration of measure and applications in convex geometry and random matrix theory. (Received March 02, 2009)