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Petros Valettas* (valettasp@missouri.edu), Columbia, MO 65203, and **Grigoris Pouris** and **Joel Zinn**. *Remarks on the dependence on ε in Dvoretzky's theorem.*

We discuss the dependence on ε in the random version of Dvoretzky's theorem for the classical spaces. In order to do so we prove optimal gaussian concentration estimates for the ℓ_p norms. Our estimates recover the sharp estimates for the extreme values $p = 1$ and $p = \infty$.

This is joint work with G. Paouris and J. Zinn from Texas A& M. (Received January 17, 2016)