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References

1. This talk is based on joint work with Philip Matchett Wood; see "Random doubly stochastic tridiagonal matrices" (2012), *Random Structures Algorithms.*

2. The Mark Kao (1947) reference is

   Kac, M. (1947). Random walk and the theory of Brownian motion. *Amer. Math. Monthly* **54**, 369–391.

   For cut-offs see

   Diaconis, P. and Saloff-Coste, L. (2006). Separation cut-offs for birth and death chains. *Ann. Appl. Probab.* **16**, 2098–2122.

3. I'm a consumer of your community's work. Two papers full of applications of OP to probability and statistics are

   Diaconis, P. and Shahshahani, M. (1987). Time to reach stationarity in the Bernoulli-Laplace diffusion model. *SIAM J. Math. Anal.* 18, 208–218. [dual Hahn's, Krawtchouck's, *q*-analogs]

   Diaconis, P., Khare, K. and Saloff-Coste, L. (2008). Gibbs sampling, exponential families and orthogonal polynomials. *Statist. Sci.* **23**, 151–178. [Meixner's]

4. I'm not sure if it's legal to mention multivariate OP at this conference. But after all, the Askey-Wilson's are a wonderful special case of Macdonald's polynomials. Thus, see

   Diaconis, P. and Ram, A. (2012). A probabilistic interpretation of the Macdonald polynomials. *Ann. Probab.* **40**, 1861–1896.

   More safely, see

   Diaconis, P. and Griffiths, R. (2013). An introduction to multivariate Krawtchouck polynomials and their applications. Available from arXiv.org or my home page (linked via `https://statistics.stanford.edu/people/persi-diaconis`.