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(gyildiri@usc.edu), USC Dornsife Department of Mathematics, 3620 S. Vermont Ave., KAP 104,
Los Angeles, CA 90089. *Some Remarks on Concentration Inequalities via Size Biased Couplings.*

We prove concentration of measure type inequalities for random vectors $\mathbf{W} = (W_1, \dots, W_k)$ with nonnegative coordinates by making use of size biased couplings. The results generalize the previous univariate cases via size biasing, and are demonstrated with applications on local dependence and counting patterns. (Received September 01, 2014)