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Tamer F Oraby* (orabyt@math.uc.edu), Department of Mathematical Sciences, University of Cincinnati, 2855 Campus Way, PO Box 210025, Cincinnati, OH 45221. *Limiting Spectral Distribution of Random Block-Matrices.*

We call a random matrix, a random block-matrix, if it is made of a block structure whose entries are random matrices. I will show that empirical distribution of the eigenvalues of some random block-matrices converges weakly to a mixture of probability distributions with probability one. Different instances would appear as the limit is reached as the size of the block-matrix tends to infinity, the blocks' sizes tend to infinity or both of them iteratively. (Received August 26, 2006)