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**Gerandy Brito\*** (gbrito3@gatech.edu), **Ioana Dumitriu** and **Kameron D Harris**. *Spectrum of sparse bipartite, biregular graphs with applications.*

We prove an analogue of Alon's spectral gap conjecture for random bipartite, biregular graphs. We illustrate the uses of our results through some applications in machine learning and coding theory. (Received January 18, 2021)