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Radmila Sazdanovic* (rsazdanovic@math.ncsu.edu), NCSU Department of Mathematics, 3210 SAS Hall 2311 Stinson Drive, PO Box 8205, Raleigh, NC 27695, and **Vladimir Baranovsky**. *Chromatic homology and graph configuration spaces*.

We present a proof of a conjecture due to M. Khovanov relating the algebraic and topological categorification of the chromatic polynomial. In particular, we show that there is a spectral sequence whose E_1 term is the chromatic graph homology that converges to the homology of the graph configuration space. (Received January 15, 2015)