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Baranovsky**. *Graph homology and configuration spaces.*

We will discuss the proof of the conjecture due to M. Khovanov relating the algebraic and topological categorification of the chromatic polynomial. We show that there exists a spectral sequence relating the chromatic graph homology defined by L. Helme-Guizon and Y. Rong and the homology of a graph configuration space introduced by M. Eastwood, S. Huggett. (Received August 27, 2012)