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Radmila Sazdanovic* (rsazdanovic@math.ncsu.edu), North Carolina State University
Mathematics, Raleigh, NC 27695-8205, and **Vladimir Baranovsky**. *On factorization, Khovanov
link, and chromatic graph homology*. Preliminary report.

Factorization homology, introduced by Ayala, Francis, and Tanaka, generalizes Hochschild homology. Chromatic homology, a comultiplication-free Khovanov-type theory for graphs constructed by Helme-Guizon and Rong, approximates Hochschild homology when applied to a circle. We complete this picture by relating factorization and chromatic homology to each other, as well as Khovanov link homology. (Received September 23, 2017)