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Dan Scofield* (dscofie@ncsu.edu). *Torsion in Khovanov link homology via chromatic graph cohomology.*

The categorification of the chromatic polynomial by Helme-Guizon and Rong is isomorphic to Khovanov link homology over a range of homological gradings. Motivated by Hochschild homology, we compute torsion in chromatic homology for certain classes of graphs. As a consequence, we offer insight into \mathbb{Z}_2 torsion of certain classes of knots and links. (Received September 11, 2016)