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Radmila Sazdanovic* (rsazdan@ncsu.edu), Department of Mathematics, NC State University, PO Box 8205, Raleigh, NC 27695, and **Victor Summers**. *On the categorification of the magnitude of a graph*. Preliminary report.

In 2015 Richard Hepworth and Simon Willerton categorified the magnitude of a graph and posed some questions about the strength and properties of this homology theory. We settle some of these questions and offer further insights into magnitude homology based on the combinatorial data of a graph. (Received February 28, 2017)