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Matthew L Wright* (wright5@stolaf.edu) and **Michael Lesnick**. *Multidimensional Persistence: A Practical Approach*.

Multidimensional persistent homology is highly relevant in the analysis of noisy data, as it offers the ability to filter by two or more parameters simultaneously. However, practical software for using multidimensional persistence in applications is still in its infancy. In this talk, I will highlight recent computational advances that facilitate the use of two-dimensional persistence to extract features from noisy data. This work is part of the development of the RIVET software for computing and visualizing two-dimensional persistence modules, in collaboration with Mike Lesnick. (Received September 15, 2016)