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Daniel Murfet* (daniel.murfet@gmail.com). *Residues and matrix factorisations in link homology.*

Khovanov and Rozansky have defined a homology theory for links using networks of matrix factorisations. The main difficulty in computing this homology theory lies in understanding a certain pushforward functor on matrix factorisations, and we will explain one way to approach this functor via residues. (Received August 16, 2010)