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**Mircea Mustață**, **Michael Perlman\*** (mperlman@nd.edu) and **Claudiu Raicu**. *Hodge ideals for determinantal hypersurfaces*. Preliminary report.

Hodge ideals are invariants of hypersurface singularities that arise from birational geometry and M. Saito's theory of mixed Hodge modules. We compute explicitly these ideals for hypersurfaces defined by the generic determinant. To do this we take advantage of the rich symmetry of their log resolutions, the spaces of complete collineations. This is part of joint work in progress with Mircea Mustață and Claudiu Raicu. (Received July 10, 2019)