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Robert M Walker* (robmarsw@umich.edu), 530 East Church Street, 2070 East Hall, ANN ARBOR, MI 48109. *Hearing the Limiting Shape of a Hypersurface Configuration*. Preliminary report.

There is a body of work on limiting shapes of symbolic generic initial systems (by Mayes, and separately by Dumnicki, Szemberg, Szpond, and Tutaj-Gasinska). In particular, the latter four authors compute the limiting shape for ideals defining zero-dimensional star configurations in projective space. In this talk, we discuss work-in-progress anticipating how to generalize their computation to the case of ideals defining zero-dimensional configurations in projective space determined by hypersurfaces of a common fixed degree. Along the way, we draw connections to a 2015 investigation of select homological and asymptotic properties of hypersurface and matroidal configurations by Geramita, Harbourne, Migliore, and Nagel. (Received February 12, 2018)