

56 - Determinantal facet ideals: a new pitch

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Determinant facet ideals are little-studied ideals bijectively associated to simplicial complexes of any dimension. For one-dimensional complexes, they are the same as binomial edge ideals of graphs. We explain how to extend to all dimensions three famous one-dimensional results by Herzog-Hibi-Hreinsdottir-Kahle-Rauh (2010) and Kiani-SaeediMadani (2012). This is joint work with Matteo Varbaro and Lisa Seccia.

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