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On inductive freeness of Ideal Arrangements

In 2006 Sommers and Tymoczko defined hyperplane arrangements corresponding to upper order ideals of positive roots of a reduced root system. They also showed that ideal arrangements are free in many cases and conjectured that this is the case for all types. This was verified in 2016 by Abe, Barakat, Cuntz, Hoge and Terao in a uniform manner. Only recently Röhrle showed that ideal arrangements also fulfill the stronger notion of inductive freeness, with some possible exceptions in type E_8 . I will give an overview of the current situation and ideas we have to settle the remaining cases.