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Möbius Functions for Real Hyperplane Arrangements

Abstract for the Combinatorics Seminar 2018 November 13

I discuss the beginnings of a theory of noncommutative Möbius functions and its connections to the structure of the algebra of faces of a hyperplane arrangement. It is to be seen as a generalization of the theory of Möbius functions for lattices, developed by Rota and his school in the 70's.

This is joint work with Swapneel Mahajan.

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