

Hyperplane arrangements and Eulerian polynomials.

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Linial arrangements are the important class of truncated affine Weyl arrangements on which several mysterious properties have been observed. In this talk we will discuss recently found connections between the characteristic polynomials of Linial arrangements and Eulerian polynomials (and Ehrhart quasipolynomials of the fundamental alcoves). Partial affirmative results on a conjecture by Postnikov and Stanley will also be given.