1088-14-231 **Mikhail Mazin*** (mmazin@math.sunysb.edu), Institute for Mathematical Sciences, Stony Brook University, Stony Brook, NY 11794-3660. *Hilbert Schemes and Jacobi Factors of Plane Curve Singularities.*

Hilbert schemes and Jacobi factors of quasihomogeneous plane curve singularities can be decomposed into complex affine cells enumerated by Young diagrams. Dimensions of cells can be computed combinatorially in terms of the Young diagrams. Resulting combinatorial theory turns our to be related to a number of different subjects: Garsia-Haiman q,t-Catalan numbers and their generalizations, partitional statistics arising from Ellingsrud-Stromme computation of the character of the tangent space to the Hilbert scheme of the plane at a fixed point, combinatorics of affine symmetric groups, etc.

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