

Generalising Statistics on Young Tableaux

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In this talk I will give an overview on the general problem of generalising various statistics defined on Young tableaux, usually related to positive formulas for polynomials of broad interest in algebraic combinatorics and representation theory. I will present various examples and discuss a generalisation of the charge statistic of Lascoux and Schützenberger, used to give a closed formula for Kostka-Foulkes polynomials.

References

- [1] Alain Lascoux and Marcel-Paul Schützenberger, Sur une conjecture de H.O. Foulkes, *C. R. Acad. Sc. Paris* **288** (1979), pp. 95–98.
- [2] M. Dołęga, T. Gerber and J. Torres, A positive combinatorial formula for symplectic Kostka-Foulkes polynomials I: One row, *In preparation*, 2019.