

# *The discrete geometry of moment polytopes*

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**Abstract.** Moment polytopes are convex polytopes associated to Hamiltonian systems in symplectic geometry. The discrete geometry of the moment polytope can tell us a good deal about the global geometry and topology of the corresponding system. I will give a brief introduction to symplectic geometry to show how moment polytopes arise, followed by a survey demonstrating how combinatorial techniques can be brought to bear on topological questions.