

Lower bounds for lattice points in tetrahedra

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In this talk, I will present recently obtained sharp lower bounds for the number of lattice points in half-open tetrahedra in dimensions 3, 4 and 5, with arbitrary real coefficients, as well as conjectures regarding lattice points in n -dimensional tetrahedra.

In Special Session 42 on Combinatorial Number Theory in the Integer Lattice at the Mathematical Congress of the Americas 2025.