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Chudnovsky's Conjecture beyond points.

Chudnovsky's Conjecture and its generalization known as Demailly's Conjecture propose lower bounds for the degrees of elements in the symbolic powers of an ideal of finitely many points in projective space. In this talk, we will discuss some recent developments on these conjectures, with an eye towards analogous bounds for ideals that do not necessarily correspond to points, including certain hyperplane arrangements. (Received August 29, 2021)