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An often occurring obstacle to solving many problems in algebraic geometry and commutative algebra is the fact that symbolic and regular powers of an ideal are not in general the same. In order to study the extent to which they differ, experts have studied various containment relationships between the two powers. This approach naturally leads to relationships which are combinatorial in nature. In this talk we will look at some recently formulated conjectures of Harbourne and Huneke which relate symbolic and regular powers of ideals of fat points and the combinatorics behind the resulting implications for bounding the Alpha Invariant. This is joint work with S. G. Hartke. (Received February 09, 2012)