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Diane Maclagan* (d.maclagan@warwick.ac.uk). *Combinatorial bounds on nef cones*. Preliminary report.

The nef cone is a convex, but not necessarily polyhedral, cone associated to a variety X . When X is a (complete) toric variety determined by a polytope P , the nef cone is a well-understood polyhedral cone. I will describe joint work with Angela Gibney (Georgia) bounding the nef cone of X using information from a suitably chosen embedding of X into a (non-complete) toric variety. (Received February 22, 2009)