

1038-14-142

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and **Diane Maclagan** (d.maclagan@warwick.ac.uk), Mathematics Institute, Zeeman Building,
University of Warwick, Coventry, CV4 7AL UK. *Upper and lower bounds for nef cones.*

Given a proper variety V contained in a normal, not necessarily complete toric variety \mathbb{P}_Δ , using tropical geometry one can naturally define a subcone of the cone of nef divisors, $\text{Nef}(V)$. In case V and \mathbb{P}_Δ have isomorphic Picard groups, one can also use \mathbb{P}_Δ to define a cone of divisors containing $\text{Nef}(V)$. I'll define these cones and give some examples. In particular, I'll show that for low n , these upper and lower bounds are in fact equal to the nef cone of $\overline{M}_{0,n}$ and that for all n , the upper bound is equal to the cone predicted by Fulton's conjecture. (Received February 05, 2008)