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Yoav Len* (yoav.len@yale.edu), 498 Orange St., New Haven, CT 06511. *Algebraic versus combinatorial rank of divisors on graphs.*

The algebraic rank of a divisor on a finite graph is an invariant described in terms of the ranks of line bundles on all the nodal curves dual to the graph. A conjecture by L. Caporaso suggests that the algebraic rank is, in fact, equal to the combinatorial rank. In my talk, I will discuss a number of known results regarding the conjecture and some recent work on the subject. (Received September 16, 2013)