

1041-13-268

Jennifer Biermann* (jbiermann@math.cornell.edu), 504 S Cayuga St #3, Ithaca, NY 14850,
and **Irena Peeva**. *Weight Orders and Gröbner bases*. Preliminary report.

We provide a criterion for a set of polynomials to form a Gröbner basis (for the ideal they are generating) with respect to a partial weight order. (Received August 12, 2008)