1116-05-2502   **Thomas Barron**, **Christopher ONeill*** (`coneill@math.tamu.edu`) and **Roberto Pelayo**.
Computing the delta set of a numerical monoid.

In this talk, we present a recent algorithm for computing the delta set, a combinatorial invariant of non-unique factorization, for any numerical monoid. Our algorithm utilizes dynamic programming methods and offers significant performance improvements over existing implementations by avoiding the need to compute any factorizations. The content of this talk appears in the preprint arXiv:1507.07435. (Received September 22, 2015)