1107-13-36   **Janet Striuli***, North Benson Rd, Fairfield, CT 06825, and **Ian Aberbach** and **Aline Hosry**.
Uniform Artin Rees for free resolutions.

Let (R, m, k) be a local noetherian ring. The classical Artin-Rees Lemma states that, given an ideal I, and modules $N \subseteq M$, there exists an integer such k such that $I^n M \cap N \subseteq I^{n-k} N$ for all $n \geq k$. A uniform version of the lemma, where the integer does not depend on the ideal I, has been given by Huneke. In this talk we present a uniform Artin-Rees Lemma where the same integer k works for all ideals I and for all modules $M_i \subseteq F_i$ where the M_i are the syzygies of a given free resolution and the F_i are the free modules appearing in the free resolution. (Received December 04, 2014)