1047-14-325   **Holger Brenner**, **Jinjia Li** and **Claudia Miller*** (`clamille@syr.edu`). *Concerning limit Hilbert-Kunz multiplicities.*

We investigate cases when a more naive limit turns out to give the limit Hilbert Kunz multiplicity. The main case is that of ideals in the affine cone of smooth nonsingular curves; the proof involves more careful estimates of bounds of Brenner and Trivedi (independently) on the ranks of the cohomologies of twists of the syzygy bundle as the characteristic p goes to infinity. Another case is that of maximal ideals in diagonal hypersurfaces. This is joint work with Holger Brenner and Jinjia Li (Received February 01, 2009)