1035-46-783 **Oscar Antonio Campos*** (oscar@thoroughbrednissan.com), 5163 East 22nd Street, Tucson, AZ 85711. *Asymptotic Tensor Norms.*

V. Manuilov and K. Thomsen use asymptotic morphisms to construct two C^*-norms on the algebraic tensor product of C^*-algebras: the left asymptotic tensor norm and the symmetric asymptotic tensor norm. Furthermore, they prove that both norms differ from the min norm and that the left asymptotic tensor norm also differs from the max norm.

We expand the construction of these norms as well as some of their properties. In particular, we introduce the right asymptotic tensor norm and prove that the symmetric asymptotic tensor norm is commutative and differs, in general, from the left and right asymptotic tensor norms. Using semiprojective C-algebras we give an alternate proof that the left asymptotic tensor norm is, in general, not equal to the max norm and we describe a class of C-algebras for which the symmetric asymptotic tensor norm differs from the max norm. (Received September 15, 2007)