Alex J. Feingold\* (alex@math.binghamton.edu), Dept. of Math. Sci., Binghamton University, Vestal Parkway East, Binghamton, NY 13902-6000. A new perspective on the Frenkel-Zhu fusion rule theorem. Preliminary report.

This is a report on progress in proving a conjectured formula for fusion coefficients of affine Kac-Moody algebras. The formula was first conjectured by Walton in 1994, and was rediscovered by Feingold in 2004. It is a reformulation of the Frenkel-Zhu affine fusion rule theorem, written so that it can be seen as an elegant generalization of the classical Parasarathy-Rango Rao-Varadarajan tensor product theorem proved in 1967. (Received January 06, 2007)