

1116-14-2772      **Francois Greer\*** (fgreer@stanford.edu), 2869 Alma Street, Palo Alto, CA 94306. *Lines on Elliptic Calabi-Yau Threefolds*. Preliminary report.

Counting rational curves on Calabi-Yau threefolds has been the focus of much enumerative geometry in recent years. I will present an approach which exhibits actual line counts as the coefficients of a modular form, using the cohomological theta correspondence of Kudla and Millson. (Received September 22, 2015)