

1046-H1-1458 **Jerome Epstein*** (jerepst@att.net), 34-13 87th Street, Jackson Heights, NY 11372-3352. *The Calculus Concept Inventory – New Data. Correlation with Teaching Methodology.*

I reported last year in San Diego on the development and validation of the Calculus Concept Inventory (CCI), a test modeled on the Force Concept Inventory (FCI) in Physics. It is designed as a pre-test/post-test instrument, testing only conceptual understanding of the most basic concepts of differential calculus. The FCI over decades has shown a very strong correlation of the normalized gain with teaching methodology, with "Interactive-Engagement" (IE) sections scoring dramatically higher than Traditional Lecture (TL) sections. A central goal of this project has been to find out if the same correlation with teaching methods is found also in calculus. Preliminary data at the last meeting was that the correlation was there, but the amount of data from I-E section was too small to be at all conclusive. We now have a lot more data, and the results will be shown in this presentation. (Received September 15, 2008)