

1086-C1-2621 **James S Rolf***, 10 Hillhouse Avenue, Department of Mathematics, Yale University, New Haven, CT 06520. *The Impact of WebWork and Interleaving on Student Learning and Attitudes*. Preliminary report.

We report on the implementation of WebWork to deliver homework problems. In particular, we have attempted to measure student satisfaction with the WebWork experience, the impact on learning behaviors (e.g. persistence and collaboration), correlation with student performance, and student attitudes. Additionally, we have experimented with using WebWork to interleave homework problems from prior assignments with current material and report on the impact of interleaving on student performance and long term retention. (Received September 25, 2012)