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**Diana White\*** ([diana.white@ucdenver.edu](mailto:diana.white@ucdenver.edu)), Department of Mathematical & Statistical Scie, University of Colorado Denver, Campus Box 170, P.O. Box 173364, Denver, CO 80217. *A qualitative look at the co-instructional model of the Intel Math professional development program for K-8 teachers.* Preliminary report.

Intel Math is a highly structured, 80-hour professional development course in mathematics content for K-8 teachers focused primarily on mathematical ideas in the K-8 curriculum. Adapted from the Vermont Math Initiative, one of the goals of Intel Math is that teacher-participants deepen their own understanding of math through problem-solving. A unique features of an Intel Math course is that it is always co-taught by a mathematician and a mathematics educator.

A team consisting of a mathematician and an elementary math coach conducted an in-depth qualitative look at the Intel Math instructional model, based on analysis of video from eight instructional teams. The purpose of looking at the instruction of these teams was to better understand how the Intel Math instructional model plays out in practice. The teams with the most active and engaged participants had noteworthy aspects that went beyond the basic model that were visible in their instruction. We believe that these contributed to their participants' engagement. This talk provides additional detail on the basic Intel Math model, the analysis process, and the evidence to support our conclusions. (Received September 25, 2012)