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Aaron Montgomery* (montgoaa@cwu.edu), Central Washington University, and **Keith Schwingendorf** (kschwing@purdue.edu), Purdue University North Central. *Motivation of the Limit Concept*. Preliminary report.

This talk discusses new course materials designed to introduce calculus students to the limit concept. The materials rely on the notion of predicting a function's value at a point rather than on the notion of approaching a particular point. It is believed that the new materials will result in less confusion between the value of a limit as the input approaches a point and the value of the function at that point. Preliminary quantitative results will be presented comparing the traditional motivation and the new motivation. Some of this work is being carried out under an ARUME mentoring mini-grant.

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