

1163-D5-1257 **Darryl Jim Chamberlain Jr.*** (dchamberlain31@ufl.edu) and **Russell Jeter**. *Automated AF: Leveraging augmented intelligence to provide automated, actionable feedback*. Preliminary report.

Feedback students can use to advance their learning, known as actionable feedback, is critical for student development but difficult to provide. We propose a method to utilize augmented intelligence to provide automated, actionable feedback. This method focuses on explaining how a student answers a question by providing a connection between what a student answers and the mathematical conception(s) that would lead to such an answer. Results from implementing the method in a 300 student College Algebra course (with a coordinator and 1 teaching assistant) will be presented to showcase the benefits and pitfalls of automated, actionable feedback. (Received September 15, 2020)