

Abstract Submitted
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Using tablets for real-time formative assessment in large-enrollment introductory courses¹ TODD RUSKELL, Colorado School of Mines — Many large-enrollment introductory physics courses now use personal response devices (clickers) to engage students during class and collect data for real-time formative assessment. However, most systems only allow for multiple-choice or in some cases numeric or simple text answers. A program called inkSurvey allows faculty to ask more open-ended questions and students can submit both text and graphical responses from tablet computers. This provides faculty much greater insight into a student's problem-solving process. In our pilot project standard clickers were used in the first half of a calculus-based physics I course, and in the second half of the semester, tablets and inkSurvey were used to collect formative assessment data. We will report on initial impressions of both the faculty and students regarding the relative utility and effectiveness of each tool.

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