

Abstract Submitted
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Using the IPAD as a Pedagogical Tool: Focus on Angular Motion Analysis with Real-World Applications¹ LEAH BUSH, ANGELA GARRIOTT, ROBERTO RAMOS, Indiana Wesleyan University — The IPAD is a portable, novel interface that has the potential to create a more interactive learning environment in undergraduate physics education, particularly in the introductory physics laboratory setting. We report our experience in using this pedagogical tool in an algebra-based physics laboratory course, focusing on its application in analysis of angular motion. Taking advantage of its portability, we use it to analyze motion not only using standard physics laboratory equipment but using it for analyzing motion in real-world applications such as with exercise equipment such as an exercise bicycle and an elliptical machine. We report on student response to this learning tool.

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