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Learning physics using multimedia resources

Tuesday, 30 May 2017 13:30 (15 minutes)

This talk will report on my experience in teaching and learning physics at undergraduate level using videos, animations, physlets and physclips. Based on the perceived effectiveness of this teaching method, and published works that outline the success of using effectively multimedia resources in classrooms or online based teaching, I have tested it on two introductory physics courses: i) one taken by physics or other science majors and by science education students; ii) a course taken mainly by pre-engineering students and physics majors. I will discuss the observed improvements in the way the students learned physics and the feedback received from students.

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