



Contribution ID: 10

Type: Oral Presentation

Incorporating Computational Exercises into Introductory Physics Courses

Thursday, 4 October 2018 15:00 (20 minutes)

The talk describes the incorporation of computational exercises into introductory physics courses: mechanics, electricity and magnetism, and modern physics. While these courses traditionally emphasize symbolic and numerical calculations, as well as experimental methods, over the last decade, increasingly computational methods are incorporated into the curricula. The talk discusses opportunities for and examples of incorporating VPython projects, as well as logistics, learning outcomes, and student feedback.

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Session Classification: Parallel Session 3

Track Classification: Track F - ICT and Multimedia Revolution in Physics Education