

Abstract Submitted  
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**New Video Resource for Calculus-based Introductory Physics at TAMU** JONATHAN PERRY, WILLIAM BASSICHIS, TATIANA ERUKHIMOVA, Texas AM University — Use of videos as an additional component of education has been on a continual rise in recent years. Video engagement as an instructional technique can be beneficial if the material is designed at an appropriate level, and presented in an accessible manner. Many existing, popular resources have content designed for algebra based courses, which are not suitable for STEM majors in calculus based introductory physics. This work consists of the development of a new set of online video resources being developed at Texas A&M University to exhibit the fundamental physical concepts, laws, and equations in a manner appropriate for calculus based physics courses at any institution, independent of textbook. Information about the development, deployment, and early analysis on the effectiveness of these videos modules will be presented for modules deployed during the fall term of 2016, and those modules deployed so far during the spring 2017 term.

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