

Abstract Submitted
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Computational Labs Using VPython Complement Conventional Labs in Online and Regular Physics Classes¹ MARTINA E. BACHLECHNER, Fairmont State University — Fairmont State University has developed online physics classes for the high-school teaching certificate based on the text book Matter and Interaction by Chabay and Sherwood. This lead to using computational VPython labs also in the traditional class room setting to complement conventional labs. The computational modeling process has proven to provide an excellent basis for the subsequent conventional lab and allows for a concrete experience of the difference between behavior according to a model and realistic behavior. Observations in the regular class room setting feed back into the development of the online classes.

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