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An integrative approach to teaching mathematics, computer science, and physics with MATLAB.

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From the introduction: The purpose of this article is to report on an innovative course for first-semester college freshmen, which integrates calculus-based physics with computer programming through the lens of mathematical modeling. We describe various aspects of the course so that it could serve as a model for similar courses at other institutions.

Classification: D35 I45 I55 M55 U75 P55 I75 N45

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