

Abstract Submitted
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Wolfram technologies as an integrated scalable platform for interactive learning VITALIY KAUROV, Wolfram Research — We rely on technology profoundly with the prospect of even greater integration in the future. Well known challenges in education are a technology-inadequate curriculum and many software platforms that are difficult to scale or interconnect. We'll review an integrated technology, much of it free, that addresses these issues for individuals and small schools as well as for universities. Topics include: Mathematica, a programming environment that offers a diverse range of functionality; natural language programming for getting started quickly and accessing data from Wolfram|Alpha; quick and easy construction of interactive courseware and scientific applications; partnering with publishers to create interactive e-textbooks; course assistant apps for mobile platforms; the computable document format (CDF); teacher-student and student-student collaboration on interactive projects and web publishing at the Wolfram Demonstrations site.

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