

1096-P5-2582 **Karl-Dieter Crisman*** (karl.crisman@gordon.edu). *Thou Shalt Compute, in One Click: Using (Embedded) Sage Cells Online.*

Courses like Linear Algebra, Number Theory, and Calculus have been transformed by easy access to technology; numerical methods and huge exact computations alike are at our students' fingertips. But how can we use these resources outside of lab-based courses?

In this talk, we demonstrate several ways to use the free, open-source Sage cell technology to encourage students to deal with computation in as painless a manner as possible. One click is all it takes, whether embedding factorization of huge numbers in course notes or asking for responses to an interactive version of pre-class reading. Everything is in the browser - no downloads or plugins needed.

As long as you have an incentive or requirement to go online for each class (e.g., putting homework on BB/Moodle), just one more click brings them right to the computation. And since the Sage cells can be made fully editable, don't be surprised if you find - as I did - that they start doing their *own* computation before long! (Received September 17, 2013)