

1106-G1-2280 **Shane Macnamara*** (shmacnamara@davidson.edu) and **Tim Chartier**. *Exploring $Ax = b$ in a DavidsonX MOOC*. Preliminary report.

DavidsonX is a Davidson College partnership with edX, a non-profit enterprise founded by Harvard and MIT. Davidson is one of the first liberal arts colleges to collaborate with edX on the Consortium platform, which is now comprised of 30 global educational institutions. In February of 2015, Dr. Tim Chartier will lead a MOOC on applications of linear algebra that focuses largely on topics in computer graphics and data mining. An important piece of the MOOC will be interactive web applications designed for student exploration and discovery. This talk will give examples of these applications in both computer graphics and data analysis. (Received September 16, 2014)