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**Carl C. Cowen\*** ([ccowen@iupui.edu](mailto:ccowen@iupui.edu)), IUPUI Dept of Math Sciences, 402 N Blackford St, Indianapolis, IN 46202-3216. *Use of Technology in Teaching the Mathematics of Linear Algebra*. Preliminary report.

Many colleagues assert that in a Linear Algebra classroom, they want to teach *MATHEMATICS* and not technology! In this presentation, the assertion that *MATHEMATICS* can be taught better using technology than without using technology will be defended and illustrated. In particular, examples of mathematical ideas that can be better explored with the use of technology than without will be presented. (Received September 14, 2009)