1125-E5-1098   **Martha Lee H Kilpack*** (`mlhkilpack@mathematics.byu.edu`). *Helping non-math majors see the power in linear algebra theory through proofs.*

At the beginning of a linear algebra course I envision my students ending the semester with an understanding and respect for the powerful theory of linear algebra. How do we help students from a broad spectrum of fields understand this theory? Could proofs be part of the answer? In this talk, I will discuss an approach to helping students dive into the proofs and thus learn the theory needed to complete them. (Received September 14, 2016)