

Undergraduate Colloquium in Mathematics
Thursday, November 3rd, 2 PM -3 PM
STV 219

Marvels of Linear Algebra, from XS to XXL

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Have you ever wondered how Google's PageRank algorithm magically orders the websites you search for according to their importance? Whether the bridge you drive over every day will stand up to strong winds? Or how a cute little *E. coli* bacterium decides to digest lactose when glucose is not available? These are large, medium, and small critters that you face daily, so perhaps you should wonder. The common denominator of their behavior can be found in a course that you may have taken or may be planning to take, namely, Linear Algebra (a word from our sponsors: it goes a long way towards a math minor). Even if MAT 175 is not on your radar or rearview mirror, give eigenvalues and eigenvectors a chance to explain themselves.



