

1119-15-118      **Elina Robeva** and **Anna L Seigal\*** ([seigal@berkeley.edu](mailto:seigal@berkeley.edu)). *Singular vectors of tensors.*

The singular valued decomposition (SVD) of a matrix is very useful in a wide range of applications. Recently there has been significant interest in extending key properties of this decomposition to the higher-dimensional tensor setting. In this talk we discuss singular vectors of tensors and describe the geometry of tuples in projective space that can occur as the singular vectors of a tensor. (Received February 12, 2016)