

Mathematics 1553

Writing Project

Prof. Margalit

11 March 2016

Find an application of linear algebra to your favorite field of science or engineering and write a short essay explaining the application. Your essay should be roughly 400–500 words and should be posted on Piazza, with the tag `applications` applied.

You may draw inspiration from any part of linear algebra, including (but not limited to) linear systems, vector geometry, eigenvalues, and orthogonal projection. You may use any resources you would like. Make sure to cite any references.

Your essay should introduce a problem from science and engineering, explain how the problem is converted to a linear algebra problem, and explain in your own words the linear algebra involved. You are encouraged to explain a simple example and to include pictures. You are also encouraged to discuss with friends and read and comment on each other's postings.

The preferred method of submission is as a plain Piazza post. If you have a compelling reason to do your post as an attachment (pdf or docx) you are free to do so.

The due date is April 8, 2016.