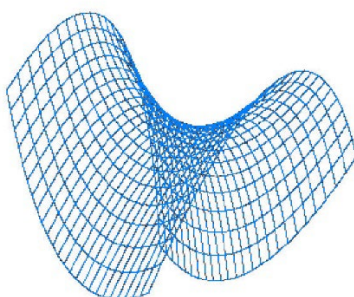# *Choosing your next **Science Option** course?*

Be better prepared for university by taking:

Linear Algebra II

(Math 201-DDC-05)

Plot of $z = x^T A x$

Why?

This 75-hour course is excellent preparation for university studies in science and engineering. Many university programs in science require students to take a course similar to Linear Algebra II in their first year, but university courses often cover the same material in only about 40 hours of class time. By taking Linear Algebra II at John Abbott, you'll be able to learn at a more relaxed pace and get a head start. The prerequisite is Linear Algebra I (201-NYC-05).

What will you learn?

The course extends the material covered in Linear Algebra I, and includes the topics listed below. (Some university courses assume that you're already familiar with some of these topics, like eigenvalues.)

➢ Learn about complex numbers.
➢ Compute the eigenvalues and eigenvectors of a matrix.
➢ Perform various decompositions and factorizations of matrices.
➢ Discover applications to dynamical systems and approximation theory.

When and who?

In the winter semester of 2023, Linear Algebra II will be taught by:

- William Boshuck   Mon & Wed *13:00-14:30, Fri 10:30-12:30*

Do not hesitate to contact William for more information about the course!