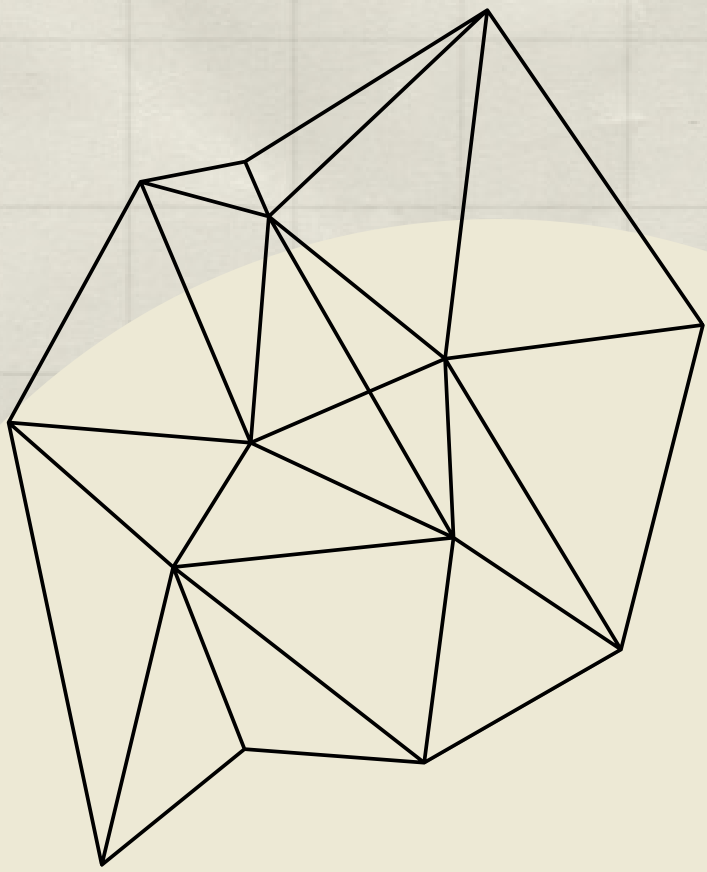


Matrices Whose Field is Inscribed in a Polygon



Date: Wednesday,
October 26th
Time: 7pm-8pm
Where: Park 245

**Presented By: Nia Hernandez '23 and
Malini Rajbhandari '24**

The field of values, also known as the numerical range, is a relatively new concept that has sparked a wave of interest amongst researchers such as C. R. Johnson and P. Paparella. Their results from using matrix analysis show that the submatrix of a normal matrix is contained in the field of values. We expand their results by using similar methods and asking the question; if the matrix is convexoid, is the field of the submatrix inscribed in the polygon formed by the convex hull of the spectrum of the convexoid matrix?

Meeting ID: 958 0798 2212

Passcode: 7920303