



Colloquium

MONDAY, OCTOBER 27TH, 2025

3:30 PM - 4:30 PM | 2048 CB

**THE CONVEXITY OF
THE BEREZIN RANGE**

Speaker: John Clifford



Professor Clifford earned his doctorate degree from Michigan State University and his undergraduate degree from the University of Puget Sound in Mathematics. He has been teaching at University of Michigan-Dearborn for the last 27 years. His area of expertise is the study of operators on spaces of analytic functions.

Abstract

In this talk I will discuss the numerical range and the Berezin range of operators on finite dimensional subspaces of the Hardy space. A remarkable result by Toeplitz and Hauddorf proves the numerical range is a convex subset of the complex plane. The Berezin range is a subset of the numerical and may or may not be convex. This work was started as part of the University of Michigan--Dearborn 2023 summer REU.

Refreshments will be provided!