PANORAMA OF GEOMETRY AND TOPOLOGY

110 MacLean Hall, 5:00 – 6:20 pm

Friday, November 10, 2023

Henry Segerman (Oklahoma State)

Artistic Mathematics: Truth and Beauty

Abstract I'll talk about my work in mathematical visualization: making accurate, effective, and beautiful pictures, models, and experiences of mathematical concepts. I'll discuss what it is that makes a visualization compelling, and show many examples in the medium of 3D printing, as well as some work in virtual reality and spherical video. I'll also discuss my experiences in teaching a project-based class on 3D printing for mathematics students.

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