

2022 FYRE :: MATH :: JABLONSKI LAB

For thousand of years, a focal point of mathematics has been symmetry. Objects with more symmetry are considered most desirable and serve as model objects on which to build scientific theories. This spring our group will investigate how symmetry occurs naturally in a dynamical system and ways for deforming non-symmetric objects to increase their symmetry.

Activities will include:

- Studying polygons and polyhedra in 2- and 3-space.
- Studying curvature flows.
- Proving theorems.
- Experimenting with computers to build new examples and suggest theoretical results.

