

# Mathematics Colloquium

## Simple Complex Geometry

Morgan Sherman  
Math Department  
Cal Poly

Friday, May 25, 2018  
4:10 – 5 p.m.  
Building 53 Room 206

### Abstract

Geometric objects which can naturally be described using complex numbers are the central topic in modern complex geometry. In this talk, aimed at undergraduate students, we discuss some of the fundamental notions in this field, why we like to work with complex numbers, and describe some of the recent powerful mathematical tools being used.

*About the speaker:* Morgan Sherman is an associate professor of mathematics at Cal Poly. He did his PhD thesis at Columbia University working under Dave Bayer, studying Hilbert schemes, a geometrical construction in algebraic geometry. More recently his research has focused in the particular subfield of complex geometry.

Cookies will be provided before the talk at 4 p.m.  
in the same room as the talk, Building 53 Room 206.