

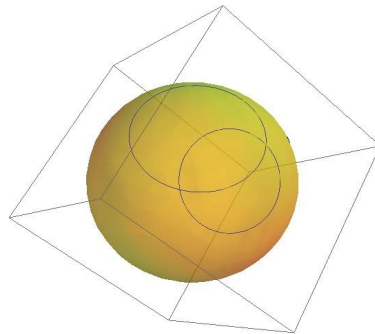
Student Secret Seminar

Chains in $\mathbb{C}P^1$

Cindy Santa-Ana, Undergraduate Math Major-UTPA
Dr. Sean Lawton, Department of Mathematics-UTPA
Experimental Algebra & Geometry Lab

Abstract

The geometry of the complex projective line concerns angles and angle preserving mappings. The natural notion that generalizes a “line” is called a “chain.” In this talk we describe and visualize chains and the mappings that preserve angles between chains.



Examples of Chains

Image generated using Mathematica, code written by the authors.

Date: Friday, November 19, 2010

Time: 2:00pm-2:45pm

Place: MAGC 1.302

For further information or for special accommodations, please contact Dr. Sean Lawton via email at lawtonsd@utpa.edu.