Topology, Algebraic Geometry, & Dynamics Seminar

Dynamics and the Clebsch diagonal cubic surface

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The affine patch of the famous Clebsch diagonal surface defined by
\[ x^2 + y^2 + z^2 - xyz = 20 \]

is rich with many symmetries. The projective surface is the most symmetrical smooth projective cubic surface. In this talk I will describe the geometry of this affine cubic surface, and how the classical projective geometry relates to hyperbolic geometry on and mapping class group dynamics.

Date: Friday, February 22, 2019
Time: 2:30-3:20 pm
Place: 4106 Exploratory Hall

For special accommodations, please contact Sean Lawton via email at slawton3@gmu.edu.