

# 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](mailto:slawton3@gmu.edu).