

BI-CO MATHEMATICS COLLOQUIUM

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“An Introduction to Curvature and Curvature Homogeneity”

Monday, April 10, 2023

Talk at 4:00 – Park 338

Tea at 3:30 – Park 361, Math Lounge

Abstract:

In differential geometry, one of the most important properties of a space is its curvature. For instance, the curvature of a space can tell you about its topology. In this talk we will introduce curvature from a few different points of view and look at some examples including surfaces and spheres. We will then see what we can learn about a space from its curvature, including some examples of spaces which are (almost) uniquely identified by their curvature.

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