

Mathematics

Contract	Term	Course	Contract Title	Contract Description
325082	Fall 2016	MATH-5135U	Circle of Apollonius (Euclidean vs Hyperbolic setting)	<p>1. First, investigate the literature about the Circle of Apollonius and see how can it be used in solving a recent proposed problem from American Mathematical Monthly: "when can four points on a line be viewed as equally spaced from a point in the space?"</p> <p>2. The same question can be asked in Hyperbolic Geometry. We do not have the same results to use as in Euclidean Geometry, as the Circle of Apollonius locus, but an answer should exist. Elements of basic writing mathematics in Latex will be developed. Investigations with Geometer Sketchpad of the Poincare Disk will be aimed at the second part of the project.</p>