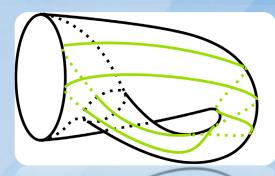# Spokane Regional Mathematics Colloquium

Knots Group

GONZAGA UNIVERSITY

Dr. Kate Kearney
Russell Ford
Tyler Gonzalez
Rachael Kuhn

KNOTS, LINKS, and KLEIN BOTTLES

A knot is a closed loop in three dimensions and a link is a set of potentially interlocking knots. Klein links are links which may be embedded on the surface of a punctured Klein bottle. That is, a Klein link is a link which may be drawn across the surface of a Klein bottle without intersection. These links have been the center of our research group for several years now. This presentation will begin with a brief discussion of the major results of our continued research on Klein links. In particular, we will consider link invariants such as linking number and how they pertain to Klein links. In the second part of the presentation, we will expand our viewpoint to contextualize our research within the field of knot theory and topology.

WHERE: GONZAGA UNIVERSITY | HUGHES 130

WHEN: WEDNESDAY, DECEMBER 5, 2018, 5PM-6PM