1139-57-582 **Jason Joseph***, jjoseph@math.uga.edu. *Quandle Invariants via Bridge Trisections.*

Quandles are algebraic structures whose axioms encode the Reidemeister moves. Every codimension two embedding has a fundamental quandle, and they have been used extensively to study knot theory. In this talk we will show how to calculate the fundamental quandle of a knotted surface directly from a bridge trisection diagram, and discuss some applications. (Received February 19, 2018)