

1163-14-1152 **Jennifer Paulhus*** (paulhus@math.grinnell.edu). *Using computation to study automorphism groups of curves.*

Classification of automorphism groups of Riemann surfaces is a classical problem which has seen a resurgence over the last few decades as computational power has allowed much broader exploration in the field. We will discuss recent computational work on questions of which groups act in certain ways, including a surprising connection to simple groups. (Received September 14, 2020)