1163-57-612   **Priyam Patel*** (`patelp@math.utah.edu`). *Infinite-type surfaces.*

A surface is of finite type if it is homeomorphic to a compact surface with at most finitely many points removed. Otherwise, the surface is of infinite-type. There has been a recent surge of interest in infinite-type surfaces and their mapping class groups (the group of homeomorphisms of the surface up to a natural equivalence called isotopy), which arise naturally in a variety of contexts. In this talk, I will give a crash course on infinite-type surfaces and highlight some of the main avenues of research in this area. I will end by discussing some recent joint work with Tarik Aougab and Nick Vlamis regarding the isometry groups of infinite-type surfaces. (Received September 10, 2020)