

# ON THE CONNECTIVITY OF BRANCH LOCI OF SPACES OF DISCRETE GROUPS

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ABSTRACT. The spaces of Fuchsian and Schottky groups can be considered as orbifolds where the singular locus is formed by Riemann surfaces or handlebodies with automorphisms: *the branch loci*.

In this talk we see the different behavior of the moduli spaces of Riemann surfaces, where with a few exceptions the branch loci is disconnected and consists of several connected components, and Schottky spaces whose branch loci either is connected or consists of at most two connected components.

The results are joint work with Antonio F. Costa, Rubén A. Hidalgo and Hugo Parlier