

## **Boundaries of Kleinian groups**

Genevieve Walsh, Tufts University

We study the boundaries of convex co-compact Kleinian groups, and give a rough classification of the types of Kleinian groups with respect to the homeomorphism type of the boundary. Using work of Bowditch, we show that certain classes of convex co-compact Kleinian groups are determined by their boundaries. We show that any hyperbolic group quasi-isometric to a mixed Kleinian surface group is virtually a mixed Kleinian surface group. Furthermore, when quasi-isometric, the rigid pieces of the two groups are commensurable.

This is joint work with Peter Haissinsky and Luisa Paoluzzi.