

PUNCTURED TORUS GROUPS SURVIVING SURGERY

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A punctured torus group is a free two-generator Kleinian group with parabolic commutator. Such a group is contained in the fundamental group of a genus one hyperbolic knot, identified with a Kleinian group, as a subgroup corresponding to a minimal genus Seifert surface. Some properties of such Kleinian groups are discussed. In particular, the results of a numerical experiment will be presented in which a slice in the representation space of once-punctured torus arising from the hyperbolic Dehn surgery space of the Whitehead link complement with an end filled is studied by using the so called Jorgensen's algorithm.

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