

## A NOTE ON COVERS OF FIBRED HYPERBOLIC MANIFOLDS

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**Abstract:** For each surface  $S$  of genus  $g > 2$  we construct pairs of conjugate pseudo-Anosov maps,  $\varphi_1$  and  $\varphi_2$ , and two non-equivalent covers  $p_i: \tilde{S} \rightarrow S$ ,  $i = 1, 2$ , so that the lift of  $\varphi_1$  to  $\tilde{S}$  with respect to  $p_1$  coincides with one of  $\varphi_2$  with respect to  $p_2$ .

The mapping tori of the  $\varphi_i$  and their lift provide examples of pairs of hyperbolic 3-manifolds so that the first is covered by the second in two different ways.

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**Key words:** Regular covers, mapping tori, (pseudo-)Anosov diffeomorphisms.