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Title:	On Fenchel-Nielsen Coordinates of Surface Group Representations into $SU(3,1)$
Authors:	Gongopadhyay, Krishnendu (/jspui/browse?type=author&value=Gongopadhyay%2C+Krishnendu) Parsad, Shiv (/jspui/browse?type=author&value=Parsad%2C+Shiv)
Keywords:	Fenchel-Nielsen Surface Group $SU(3,1)$
Issue Date:	2018
Publisher:	Cambridge University Press
Citation:	Mathematical Proceedings of the Cambridge Philosophical Society, 165(1), pp. 1-23
Abstract:	Let $\Sigma_g$ be a compact, connected, orientable surface of genus $g \geq 2$ . We ask for a parametrisation of the discrete, faithful, totally loxodromic representations in the deformation space $\text{Hom}(\pi_1(\Sigma_g), SU(3, 1))/SU(3, 1)$ . We show that such a representation, under some hypothesis, can be determined by $30g - 30$ real parameters.
URI:	<a href="https://www.cambridge.org/core/journals/mathematical-proceedings-of-the-cambridge-philosophical-society/article/on-fenchelnielsen-coordinates-of-surface-group-representations-into-su31/A656B346D1C899D517AC831F3B5791DE">https://www.cambridge.org/core/journals/mathematical-proceedings-of-the-cambridge-philosophical-society/article/on-fenchelnielsen-coordinates-of-surface-group-representations-into-su31/A656B346D1C899D517AC831F3B5791DE</a> ( <a href="https://www.cambridge.org/core/journals/mathematical-proceedings-of-the-cambridge-philosophical-society/article/on-fenchelnielsen-coordinates-of-surface-group-representations-into-su31/A656B346D1C899D517AC831F3B5791DE">https://www.cambridge.org/core/journals/mathematical-proceedings-of-the-cambridge-philosophical-society/article/on-fenchelnielsen-coordinates-of-surface-group-representations-into-su31/A656B346D1C899D517AC831F3B5791DE</a> ) <a href="http://hdl.handle.net/123456789/1979">http://hdl.handle.net/123456789/1979</a> ( <a href="http://hdl.handle.net/123456789/1979">http://hdl.handle.net/123456789/1979</a> )
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