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Title:	Extremality of quaternionic Jørgensen inequality
Authors:	Gongopadhyay, Krishnendu (/jspui/browse?type=author&value=Gongopadhyay%2C+Krishnendu)
Keywords:	Quaternionic matrices Hyperbolic 5-space Jørgensen inequality
Issue Date:	2017
Publisher:	Hiroshima University
Citation:	Hiroshima Mathematical Journal, 47 (2)
Abstract:	Let $SL(2; \mathbb{H})$ be the group of $2 \times 2$ quaternionic matrices with Dieudonné determinant one. The group $SL(2; \mathbb{H})$ acts on the five dimensional hyperbolic space by isometries. We investigate extremality of Jørgensen type inequalities in $SL(2; \mathbb{H})$ . Along the way, we derive Jørgensen type inequalities for quaternionic Möbius transformations which extend earlier inequalities obtained by Waterman and Kellerhals. © 2017 Hiroshima University. All rights reserved.
Description:	Only IISERM authors are available in the record.
URI:	<a href="https://projecteuclid.org/euclid.hmj/1499392822">https://projecteuclid.org/euclid.hmj/1499392822</a> ( <a href="https://projecteuclid.org/euclid.hmj/1499392822">https://projecteuclid.org/euclid.hmj/1499392822</a> ) <a href="http://hdl.handle.net/123456789/1938">http://hdl.handle.net/123456789/1938</a> ( <a href="http://hdl.handle.net/123456789/1938">http://hdl.handle.net/123456789/1938</a> )
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