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Title:	Reversible quaternionic hyperbolic isometries
Authors:	Bhunia, Sushil (/jspui/browse?type=author&value=Bhunia%2C+Sushil) Gongopadhyay, Krishnendu (/jspui/browse?type=author&value=Gongopadhyay%2C+Krishnendu)
Keywords:	Hyperbolic space Quaternions Reversible elements Real elements Involutions
Issue Date:	2020
Publisher:	Elsevier
Citation:	Linear Algebra and its Applications, 591,pp. 268-283.
Abstract:	Let $G$ be a group. An element $g \in G$ is called reversible if it is conjugate to $g^{-1}$ within $G$ , and called strongly reversible if it is conjugate to $g^{-1}$ by an order two element of $G$ . Let $H_n$ be the $n$ -dimensional quaternionic hyperbolic space. Let $PSp(n, 1)$ be the isometry group of $H_n$ . In this paper, we classify reversible and strongly reversible elements in $Sp(n)$ and $Sp(n, 1)$ . Also, we prove that all the elements of $PSp(n, 1)$ are strongly reversible.
URI:	<a href="https://www.sciencedirect.com/science/article/pii/S0024379519305646?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S0024379519305646?via%3Dihub</a> ( <a href="https://www.sciencedirect.com/science/article/pii/S0024379519305646?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S0024379519305646?via%3Dihub</a> ) <a href="http://hdl.handle.net/123456789/3310">http://hdl.handle.net/123456789/3310</a> ( <a href="http://hdl.handle.net/123456789/3310">http://hdl.handle.net/123456789/3310</a> )
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