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Title:	On discreteness of subgroups of quaternionic hyperbolic isometries
Authors:	Gongopadhyay, Krishnendu (/jspui/browse?type=author&value=Gongopadhyay%2C+Krishnendu)
Keywords:	Hyperbolic space Jørgensen inequality Discreteness Quaternions
Issue Date:	2020
Publisher:	Cambridge University Press
Citation:	Bulletin of the Australian Mathematical Society 101(2), pp. 283-293
Abstract:	Let H_n denote the n -dimensional quaternionic hyperbolic space. The linear group $Sp(n,1)$ acts on H_n by isometries. A subgroup G of $Sp(n,1)$ is called Zariski dense if it neither fixes a point on H_n nor preserves a totally geodesic subspace of H_n . We prove that a Zariski dense subgroup G of $Sp(n,1)$ is discrete if for every loxodromic element $g \in G$ the two-generator subgroup $\langle f, gfg^{-1} \rangle$ is discrete, where the generator $f \in Sp(n,1)$ is a certain fixed element not necessarily from G .
Description:	Only IISERM authors are available in the record.
URI:	https://www.cambridge.org/core/journals/bulletin-of-the-australian-mathematical-society/article/abs/on-discreteness-of-subgroups-of-quaternionic-hyperbolic-isometries/50C80C47EAB520FCA9ACA50BDEE667B4 (https://www.cambridge.org/core/journals/bulletin-of-the-australian-mathematical-society/article/abs/on-discreteness-of-subgroups-of-quaternionic-hyperbolic-isometries/50C80C47EAB520FCA9ACA50BDEE667B4) http://hdl.handle.net/123456789/3346 (http://hdl.handle.net/123456789/3346)
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