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Title:	The z-classes of isometries
Authors:	Gongopadhyay, Krishnendu (/jspui/browse?type=author&value=Gongopadhyay%2C+Krishnendu)
Keywords:	Conjugacy classes Centralizers z-classes Orthogonal
Issue Date:	2014
Publisher:	Indian Mathematical Society
Citation:	Journal of the Indian Mathematical Society, 81(3-4), pp. 245-258
Abstract:	Let $G$ be a group. Two elements $x, y$ are said to be in the same $z$ -class if their centralizers are conjugate in $G$ . Let $V$ be a vector space of dimension $n$ over a field $F$ of characteristic different from 2. Let $B$ be a non-degenerate symmetric, or skew-symmetric, bilinear form on $V$ . Let $I(V, B)$ denote the group of isometries of $(V, B)$ . We show that the number of $z$ -classes in $I(V, B)$ is finite when $F$ is perfect and has the property that it has only finitely many field extensions of degree at most $n$ .
Description:	Only IISERM authors are available in the record.
URI:	<a href="http://www.informaticsjournals.com/index.php/jims/article/view/1728">http://www.informaticsjournals.com/index.php/jims/article/view/1728</a> ( <a href="http://www.informaticsjournals.com/index.php/jims/article/view/1728">http://www.informaticsjournals.com/index.php/jims/article/view/1728</a> ) <a href="http://hdl.handle.net/123456789/3135">http://hdl.handle.net/123456789/3135</a> ( <a href="http://hdl.handle.net/123456789/3135">http://hdl.handle.net/123456789/3135</a> )
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