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Title:	Twisted conjugacy classes in twisted Chevalley groups
Authors:	Bhunja, Sushil (/jspui/browse?type=author&value=Bhunja%2C+Sushil) Dey, Pinka (/jspui/browse?type=author&value=Dey%2C+Pinka) Roy, Amit (/jspui/browse?type=author&value=Roy%2C+Amit)
Keywords:	Twisted conjugacy Chevalley groups
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Abstract:	Let G be a group and φ be an automorphism of G . Two elements $x, y \in G$ are said to be φ -twisted conjugate if $y = gx\varphi(g)^{-1}$ for some $g \in G$. We say that a group G has the R^∞ -property if the number of φ -twisted conjugacy classes is infinite for every automorphism φ of G . In this paper, we prove that twisted Chevalley groups over a field k of characteristic zero have the R^∞ -property as well as the S^∞ -property if k has finite transcendence degree over \mathbb{Q} or $\text{Aut}(k)$ is periodic.
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