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Title:	z -Classes in finite groups of conjugate type (n,1)
Authors:	Gongopadhyay, Krishnendu (/jspui/browse?type=author&value=Gongopadhyay%2C+Krishnendu)
Keywords:	Conjugacy classes of centralizers Extraspecial groups P-groups Z-classes
Issue Date:	2018
Citation:	Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 128(3)
Abstract:	Two elements in a group G are said to be z-equivalent or to be in the same z-class if their centralizers are conjugate in G. In a recent work, Kulkarni et al. (J. Algebra Appl., 15 (2016) 1650131) proved that a non-abelian p-group G can have at most $p^{k-1} + p - 1 + 1$ number of z-classes, where $|G/Z(G)| = p^k$. Here, we characterize the p-groups of conjugate type (n, 1) attaining this maximal number. As a corollary, we characterize p-groups having prime order commutator subgroup and maximal number of z-classes.
Description:	Only IISERM authors are available in the record.
URI:	https://www.scopus.com/record/display.uri?eid=2-s2.0-85048668788&doi=10.1007%2fs12044-018-0412-5&origin=inward&txGid=a0486467b535f4c18844c3fdaf4fe3d1 (https://www.scopus.com/record/display.uri?eid=2-s2.0-85048668788&doi=10.1007%2fs12044-018-0412-5&origin=inward&txGid=a0486467b535f4c18844c3fdaf4fe3d1) http://hdl.handle.net/123456789/2023 (http://hdl.handle.net/123456789/2023)
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