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Arturo Magidin* (magidin@member.ams.org), 217 Maxim Doucet Hall, P.O. Box 41010, Lafayette, LA 70504-1010. *More results on the capability of finite groups of class two and prime exponent.*

A group G is said to be capable if there exists a group H such that $G \cong H/Z(H)$, where $Z(H)$ is the center of H . Capability of p -groups plays an important role in their classification. I present the latest results in the quest to obtain a complete characterization of the capable p -groups of class two and prime exponent. The new results include a full characterization for all 5-generated groups, as well as results on the capability of amalgamated coproducts and amalgamated direct products. (Received July 18, 2007)