1125-05-1434   **Sammy Y. Luo*** (`sammyluo@mit.edu`), 3 Ames St, H309, Cambridge, MA 02142. *Short Zero-Sum Sequences Over Abelian p-Groups of Large Exponent.*

Let G be a finite abelian group with exponent n. Let $\eta(G)$ denote the smallest integer ℓ such that every sequence over G of length at least ℓ has a zero-sum subsequence of length at most n. We determine the precise value of $\eta(G)$ when G is a p-group whose Davenport constant is at most $2n - 1$. This confirms one of the equalities in a conjecture by Schmid and Zhuang from 2010. (Received September 16, 2016)

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