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Corrigendum to: On zero sum-partition of Abelian groups into three sets and group distance magic labeling

Sylwia Cichacz

Faculty of Applied Mathematics, AGH University of Science and Technology,
Al. Mickiewicza 30, 30-059 Kraków, Poland

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In the paper [1] by me, Theorem 4.4 is stated incorrectly and contradicts Theorem 4.5. Therefore, Theorem 4.4 should have been stated as follows:

Theorem 4.4. *Let* $G = K_{n_1,n_2,n_3}$ *be a complete tripartite graph such that* $1 \leq n_1 \leq n_2 \leq n_3$ *and* $n = n_1 + n_2 + n_3$. *The graph* G *is a group distance magic graph if and only if* ($n_2 > 1$ *and* $n_1 + n_2 + n_3 \neq 2^p$ *for some positive integer* p) *or* ($n_1 \neq 2$ *and* $n_2 > 2$)*.*

In the previous version in the proof for $n_1 + n_2 + n_3 = 2^p$ the case $n_1 \neq 2$ and $n_2 > 2$ is not considered. The statement follows directly from Theorem 4.5.

Let $n_1 + n_2 + \cdots + n_t = n$ and $G = K_{n_1,n_2,\ldots,n_t}$. In the introduction is stated that G is Γ-distance magic if and only if Γ has the $\mathrm{CSP}(t)$-property. It is not true. It should be stated that G is Γ-distance magic if and only if for the partition $n = n_1 + n_2 + \cdots + n_t$ of n there is a partition of Γ into pairwise disjoint subsets $A_1, A_2, \ldots, A_t$, such that $|A_i| = n_i$ and for some $\nu \in \Gamma$, $\sum_{a \in A_i} a = \nu$ for $1 \leq i \leq t$.

References

[1] S. Cichacz, On zero sum-partition of Abelian groups into three sets and group distance magic labeling, *Ars Math. Contemp.* **13** (2017), 417–425, doi:10.26493/1855-3974.1054.fcd.

E-mail address: cichacz@agh.edu.pl (Sylwia Cichacz)