

Corrigendum to “On the dimension of an Abelian group” [Notes on Number Theory and Discrete Mathematics, 2021, Volume 27, Number 4, Pages 267–275]

Timo Tossavainen¹ and Pentti Haukkanen²

¹ Department of Health, Education and Technology, Lulea University of Technology

SE-97187 Lulea, Sweden

e-mail: timo.tossavainen@ltu.se

² Faculty of Information Technology and Communication Sciences, Tampere University

FI-33014 Tampere University, Finland

e-mail: pentti.haukkanen@tuni.fi

Received: 14 January 2022

Online First: 3 February 2022

In [1, Example 5], the relation \perp_2 was stated as follows:

$$(x, x_{n+1}) \perp_2 (y, y_{n+1}) \iff (x \perp y \wedge (x_{n+1} = y_{n+1} = 0)) \vee ((x, x_{n+1}) = 0) \vee ((y, y_{n+1}) = 0) \vee (x_{n+1} = 0 \wedge y = 0) \vee (x = 0 \wedge y_{n+1} = 0).$$

Thereafter, the conclusion $\dim_{\perp_2}(G) = 1$ was derived by claiming that $\{(1, 1, \dots, 1)\}^{\perp_2} = \{0\}$. Defined in this way, \perp_2 is not a perpendicularity in G . Therefore, we kindly ask the reader to ignore Example 5, two sentences above it, and the paragraph after Theorem 5.2.

References

- [1] Tossavainen, T., & Haukkanen, P. (2021). On the dimension of an Abelian group. *Notes on Number Theory and Discrete Mathematics*, 27(4), 267–275.