Correction to: Self-dual codes over $\mathbb{F}_2 \times (\mathbb{F}_2 + \mathbb{F}_2)$

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The original version of this article unfortunately contained some mistakes on the equations at page 4 of the published paper.

The first paragraph of the 4th page of our online published article should be corrected as follows:

“*The Gray map* φ_1

$$\varphi_1 : R \rightarrow \mathbb{F}_2^3, (\alpha, \beta + v\gamma) \mapsto (\alpha, \beta, \beta + \gamma)$$

is extended to R^n as

$$\Phi_1((\alpha, \beta + v\gamma)) = (\alpha, \beta, \beta + \gamma),$$

where $\alpha, \beta, \gamma \in \mathbb{F}_2^n$. By using the Chinese remainder theorem, it can be obtained that φ_1 is a ring isomorphism. We note that Φ_1 is an $\mathbb{F}_2$ -linear map. Also, it is distance preserving from R^n (Lee distance- d_L) to $\mathbb{F}_2^{3n}$ (Hamming distance- d_H).”

The last paragraph of the 4th page of our online published article should be corrected as follows:

“*The other Gray map*

$$\varphi_2 : R \rightarrow \mathbb{F}_2^3, (\alpha, \beta + v\gamma) \mapsto (\alpha + \beta, \alpha + \gamma, \alpha + \beta + \gamma)$$

is extended to R^n as

$$\Phi_2((\alpha, \beta + v\gamma)) = (\alpha + \beta, \alpha + \gamma, \alpha + \beta + \gamma),$$

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where $\alpha, \beta, \gamma \in \mathbb{F}_2^n$. We remark that Φ_2 is an $\mathbb{F}_2$ -linear map. Also, it is distance preserving from R^n (Gray distance- d_G) to $\mathbb{F}_2^{3n}$ (Hamming distance- d_H).”
The original article has been corrected.

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