

# Addendum to: "G-invariantly resolvable Steiner 2-designs which are 1-rotational over G"

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We wish to thank Ying Miao for having brought to our attention that difference family  $\mathcal{E}$  of Construction 2 of the paper in object does not work for  $t$  even. Anyway, keeping the same notation as in the paper, we point out that in both cases of  $t$  odd or even, a working  $\mathcal{E}$  is the following:

$$\mathcal{E} = \{(g_0, mx_0), (g_1, mx_1), \dots, (g_{k-1}, mx_{k-1}) \mid m \in \langle \delta^t \rangle N\} \cup \\ \cup \{ \{0\} \times \langle \delta^t \rangle n \mid n \in N \}$$

where  $N$  is a complete system of representatives for the cosets of  $\langle \sqrt{\delta^t} \rangle$  in  $\langle \sqrt{\delta} \rangle$ .

Accordingly to the previous correction, difference family  $\mathcal{E}$  of Theorem 4 should be changed as follows.

$$\mathcal{E} = \{(0, \omega^{4ti+2j}x_0), (0, \omega^{4ti+2j}x_1), (1, \omega^{4ti+2j}x_2) \mid i = 0, 1, 2; 0 \leq j < t\} \cup \\ \cup \{(0, \omega^{2j}), (0, \omega^{4t+2j}), (0, \omega^{8t+2j}) \mid 0 \leq j < t\}$$

where  $\omega$  is a primitive root in  $Z_p$ .

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