

**ERRATUM TO
 “ON A QUADRATIC-TRIGONOMETRIC FUNCTIONAL
 EQUATION AND SOME APPLICATIONS”**

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In Theorem 5.1 of [1], listing the complete set of solutions to functional equation (FE), there is a multiplicative constant missing in solution (5.4). A multiplicative constant, say β , should precede $\phi(y)$ in the descriptions of $f_4(y)$ and $f_6(y)$, and it should precede the second occurrence of $\phi(x)$ in the descriptions of $f_1(x)$ and $f_2(x)$. So the corrected solution (5.4) is as follows:

$$(5.4) \quad \left. \begin{aligned} f_1(x) &= \frac{\gamma}{2} \psi_o(x) [c \phi(x) + \alpha] + \frac{\beta}{2} \psi_o(x) \phi(x) \left[\frac{c}{2} \phi(x) + \alpha \right] \\ &\quad + \frac{1}{2} A^2(x) + \frac{1}{2} \phi_2(x) + \theta(x), \\ f_2(x) &= \frac{\gamma}{2} \psi_o(x) [c \phi(x) + \alpha] - \frac{\beta}{2} \psi_o(x) \phi(x) \left[\frac{c}{2} \phi(x) + \alpha \right] \\ &\quad + \frac{1}{2} A^2(x) + \phi_1(x) - \frac{1}{2} \phi_2(x) - \theta(x) + d, \\ f_3(x) &= b \psi_o(x) [c \phi(x) + \alpha] + A^2(x) + \phi_1(x) - a - b \delta + d, \\ f_4(y) &= \delta \psi_o(y) [\beta \phi(y) + \gamma] + A^2(y) - \phi_1(y) + \phi_2(y) + a, \\ f_5(x) &= \psi_o(x) [c \phi(x) + \alpha] - \delta, \\ f_6(y) &= \psi_o(y) [\beta \phi(y) + \gamma] - b, \quad \psi_o(y) \equiv \psi(y) \equiv \psi(y)^{-1} \neq 1. \end{aligned} \right\}$$

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REFERENCES

1. J. K. Chung, B. R. Ebanks, C. T. Ng, and R. K. Sahoo, *On a quadratic-trigonometric functional equation and some applications*, Trans. Amer. Math. Soc. **347** (1995), 1131–1161.

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