Erratum to: Generalized n -tupled fixed point theorems for nonlinear contractions

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Recently, we have proved some results on the existence and uniqueness of $2n$ -tupled fixed points for nonlinear (Φ, Ψ) contractions enjoying the mixed monotone property in partially ordered complete metric spaces but failed to mention the evenness of n . In this errata, we point out such corrections.

The list of corrections noted in the original paper runs as follows:

(i) At page 444, line (-16) :

The statement “ n stands for any natural number greater than 1” must be replaced by “ n stands for an even natural number”.

That is, our results are true merely for even natural numbers but not for an arbitrary natural number as noted in [1].

(ii) At page 447, line 8:

The statement “... sequences $\{x_m^1\}, \{x_m^2\}, \{x_m^3\}, \dots, \{x_m^n\} \in X$ ” must be replaced by “... sequences $\{x_m^1\}, \{x_m^2\}, \{x_m^3\}, \dots, \{x_m^n\} \subset X$ ”.

(iii) At page 453, line 16:

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The statement “For any fixed integer $n > 1$ ” must be replaced by “For any fixed even natural number”.

(iv) At page 453, line 19:

$$\frac{x^1 - x^2 + x^3 - x^4 + \cdots + x^{n-1} + (-1)^{n+1}x^n}{2n}, \quad \forall x^1, x^2, \dots, x^n \in X,$$

must be replaced by

$$\frac{x^1 - x^2 + x^3 - x^4 + \cdots + x^{n-1} - x^n}{2n}, \quad \forall x^1, x^2, \dots, x^n \in X.$$

(v) At page 453, in lines 24, 25 and 26:

“ $\cdots + x^{n-1} + (-1)^{n+1}x^n$ ” must be replaced by “ $\cdots + x^{n-1} - x^n$ ”.

(vi) At page 453, in lines 24, 25 and 26:

“ $\cdots + y^{n-1} + (-1)^{n+1}y^n$ ” must be replaced by “ $\cdots + y^{n-1} - y^n$ ”.

(vii) At page 453, in line 27:

“ $\cdots + (-1)^{n+1}(x^n - y^n)$ ” must be replaced by “ $\cdots - (x^n - y^n)$ ”.

(viii) At page 454, in Ref. [12], the title of the article “On n -tupled coincidence and common fixed points results in metric spaces” must be replaced by “On n -tupled coincidence point results in metric spaces”.

Reference

1. Imdad, M., Soliman, A.H., Choudhury, B.S., Das, P.: On n -tupled coincidence point results in metric spaces. *J. Oper.* (2013). Article ID 532867.