

**ADDENDUM TO:**

**A. BOCCUTO, X. DIMITRIOU, N. PAPANASTASSIOU,  
W. WILCZYŃSKI, IDEAL EXHAUSTIVENESS, CONTINUITY  
AND  $(\alpha)$ -CONVERGENCE FOR LATTICE GROUP-VALUED  
FUNCTIONS, *Int. J. Pure Appl. Math.*, 70, No. 2 (2011), 211-227.**

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**Abstract:** We give an addendum to the paper [2].

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**Key Words:**  $(\ell)$ -group, ideal, admissible ideal, good ideal, (weak) ideal exhaustiveness

## 1. Introduction

In [1, Remarks 4.15] it was proved that the class of all good ideals of  $\mathbb{N}$  (see

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[2, Definitions 2.1 d)]) contains the class of all ideals of the form  $\{A \subset \mathbb{N} : A$  intersects at most a finite number of  $\Delta_k$ 's $\}$ , where  $\mathbb{N} = \bigcup_{k=1} \Delta_k$  is any infinite partition.

At the beginning of the proof of [2, Theorem 3.1], instead of “weak  $\mathcal{I}$ -exhaustiveness of  $f$  at  $x_0$ ” there should be “weak  $\mathcal{I}$ -exhaustiveness of  $(f_n)_n$  at  $x_0$ ”.

At the end of the proof of [2, Theorem 3.1], instead of

$$|f_n(z) - f(x_0)| \leq \bigvee_{i=1} c_{i,\varphi(i)}$$

there should be

$$|f_n(z) - f_n(x_0)| \leq \bigvee_{i=1} c_{i,\varphi(i)}.$$

At the beginning of the proof of [2, Theorem 3.3], instead of “ $\mathcal{I}$ -exhaustiveness of  $f$  at  $x_0$ ” there should be “ $\mathcal{I}$ -exhaustiveness of  $(f_n)_n$  at  $x_0$ ”.

In [2, Example 3.7], the family  $\Phi$  is not  $\mathcal{I}$ -exhaustive at  $x = 2$ .

In the formulation of the open problem, instead of “ $f$  is  $\sigma_1$ - $\sigma_2$ -equicontinuous at every  $x \in X$ ” there should be “ $\Phi$  is  $\sigma_1$ - $\sigma_2$ -equicontinuous at every  $x \in X$ ”.

## References

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