Corrigendum to the Paper Entitled "A variation on arithmetic continuity" Published in Boletim da Sociedade Paranaense de Matemática Volume 35, Issue 3 (2017), Pages 195-202

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ABSTRACT: The first sentence in the abstract should be replaced with the sentence "A sequence (x_k) is called arithmetically convergent if for each $\varepsilon > 0$ there is an integer n_0 such that $|x_m - x_{<m,n>}| < \varepsilon$ for every integers m, n satisfying $< m, n > \geq n_0$, where the symbol $< m, n >$ denotes the greatest common divisor of the integers m and n".

Key Words: Arithmetical convergent sequences, Boundedness.

Contents

1. Corrigendum to "A variation on arithmetic continuity"

The first sentence in the abstract should be replaced with the sentence "A sequence (x_k) is called arithmetically convergent if for each $\varepsilon > 0$ there is an integer n_0 such that $|x_m - x_{<m,n>}| < \varepsilon$ for every integers m, n satisfying $< m, n > \geq n_0$, where the symbol $< m, n >$ denotes the greatest common divisor of the integers m and n". This definition of arithmetical convergence has been considered throughout the paper. If the following sentence is inserted on line 19 on page 196, just before the word "Recently", then the rest of the manuscript remains unaffected, and fully corrected properly: "In the sequel of this paper, we will always use the definition of arithmetically convergence in the sense that a sequence $\mathbf{x} = (x_k)$ is called arithmetically convergent if for each $\varepsilon > 0$ there is a positive integer n_0 such that $|x_m - x_{<m,n>}| < \varepsilon$ for every integers m, n satisfying $< m, n > \geq n_0$. We sincerely apologize for this mistake and regret the inconvenience caused.

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