

**CORRIGENDUM TO THE PAPER ENTITLED "A VARIATION
ON ARITHMETIC CONTINUITY" PUBLISHED IN BOLETIM
DA SOCIEDADE PARANAENSE DE MATEMATICA VOLUME
35, ISSUE 3 (2017), PAGES 195-202**

HUSEYIN ÇAKALLI

MALTEPE UNIVERSITY, MALTEPE, ISTANBUL, TURKEY

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.

REFERENCES

- [1] C.G. Aras, A. Sonmez, H. Çakalli, On soft mappings, arXiv:1305.4545v1, **2013**, 12 pages.
- [2] D. Burton, J. Coleman, Quasi-Cauchy sequences, Amer. Math. Monthly, **117** (2010), 328-333.
- [3] H. Çakalli, N-theta-ward continuity, Abstr. Appl. Anal., **2012** (2012), Article ID 680456
- [4] H. Çakalli, A Variation on Statistical Ward Continuity, Bull. Malays. Math. Sci. Soc., DOI 10.1007/s40840-015-0195-0
- [5] H. Çakalli, Lacunary statistical convergence in topological groups, Indian J. Pure Appl. Math., **26** (2) (1995), 113-119.
- [6] H. Çakalli, Sequential definitions of compactness, Appl. Math. Lett., **21**(6)(2008), 594-598.
- [7] H. Çakalli, Slowly oscillating continuity, Abstr. Appl. Anal., **2008** (2008), Article ID 485706
- [8] H. Çakalli, δ -quasi-Cauchy sequences, Math. Comput. Modelling, **53** (2011), 397-401.
- [9] H. Çakalli, On G -continuity, Comput. Math. Appl. **61** (2)(2011), 313-318.
- [10] H. Çakalli, Statistical ward continuity. Appl. Math. Lett., **24** (2011), 1724-1728.
- [11] H. Çakalli and M. Albayrak, New Type Continuities via Abel Convergence, Scientific World Journal, Volume 2014 (2014), Article ID 398379
- [12] H Çakalli, C.G. Aras and A. Sonmez, Lacunary statistical ward continuity, AIP Conf. Proc. **1676**, 020042 (2015); <http://dx.doi.org/10.1063/1.4930468>
- [13] A. Caserta, and Lj.D.R. Kočinac, On statistical exhaustiveness, Appl. Math. Lett., **25** (2012), 1447-1451.

- [14] A. Caserta, G. Di Maio, and Lj.D.R. Kočinac, Statistical convergence in function spaces, *Abstr. Appl. Anal.*, **2011** (2011), Article ID 420419, 11 pages.
- [15] H. Çakalli, Forward continuity, *J. Comput. Anal. Appl.*, **13** (2) (2011), 225-230.
- [16] H. Çakalli, A variation on ward continuity, *Filomat*, **27** (8) (2013), 1545-1549.
- [17] H. Çakalli, Variations on quasi-Cauchy sequences, *Filomat*, **29** (1) (2015), 13-19.
- [18] I. Canak and M. Dik, New types of continuities, *Abstr. Appl. Anal.* **2010** (2010), Article ID 258980, 6 pages.
- [19] H. Çakalli and S. Ersan, Strongly Lacunary Ward Continuity in 2-Normed Spaces, *Scientific World Journal*, **2014**, Article ID 479679, 5 pages <http://dx.doi.org/10.1155/2014/479679>
- [20] H. Çakalli, and B. Hazarika, Ideal quasi-Cauchy sequences, *J. Inequal. Appl.* **2012** (2012), Article 234, 11 pages.
- [21] H. Çakalli and R.F. Patterson, Functions preserving slowly oscillating double sequences, *An. Stiint. Univ. Al. I. Cuza Iasi. Mat.* **2**(F2) (2016), 531-536
- [22] H. Çakalli, and Pratulananda Das, Fuzzy compactness via summability, *Appl. Math. Lett.* **22**(11) (2009), 1665-1669.
- [23] H. Çakalli and A. Sonmez, Slowly oscillating continuity in abstract metric spaces, *Filomat* **27**(5)(2013), 925-930.
- [24] H. Çakalli, A. Sonmez, and C.G. Aras, λ -statistical ward continuity, *An. Stiint. Univ. Al. I. Cuza Iasi. Mat. (N.S.)* DOI: 10.1515/aicu-2015-0016 March 2015.
- [25] H. Çakalli, A. Sonmez, and C. Genc, On an equivalence of topological vector space valued cone metric spaces and metric spaces, *Appl. Math. Lett.* **25** (2012), 429-433.
- [26] S. Ersan and H. Çakalli, Ward Continuity in 2-Normed Spaces, *Filomat* **29** (7) (2015), 1507-1513. DOI 10.2298/FIL1507507E
- [27] H. Fast, Sur la convergence statistique, *Colloq. Math.* **2** (1951), 241-244.
- [28] J.A. Fridy, On statistical convergence, *Analysis* **5** (1985), 301-313.
- [29] G. Di Maio, and Lj.D.R. Kočinac, Statistical convergence in topology, *Topology Appl.* **156** (2008), 28-45.
- [30] M. Mursaleen, λ -statistical convergence, *Math. Slovaca* **50** (2000), 111-115.
- [31] S.A. Mohiuddine, A. Alotaibi and M. Mursaleen, Statistical convergence of double sequences in locally solid Riesz spaces, *Abstract Appl. Anal.*, Volume **2012**, Article ID 719729, 9 pages.
- [32] M. Mursaleen, S.A. Mohiuddine, Banach limit and some new spaces of double sequences, *Turk. J. Math.* **36** (2012), 121-130.
- [33] S.K. Pal, E. Savas, and H. Çakalli, I -convergence on cone metric spaces, *Sarajevo J. Math.* **9** (2013), 85-93.
- [34] R.F. Patterson and H. Çakalli, Quasi Cauchy double sequences, *Tbilisi Mathematical Journal* **8** (2) (2015), 211-219.
- [35] R.F. Patterson, and E. Savas, Rate of P-convergence over equivalence classes of double sequence spaces, *Positivity* **16** (4) (2012), 739-749.
- [36] R.F. Patterson, and E. Savas, Asymptotic equivalence of double sequences, *Hacet. J. Math. Stat.* **41** (2012), 487-497.
- [37] W. H. Ruckle, Arithmetical Summability, *J. Math. Anal. Appl.* **396** (2012), 741-748.
- [38] A. Sonmez, and H. Çakalli, Cone normed spaces and weighted means, *Math. Comput. Modelling* **52** (2010), 1660-1666.
- [39] R.W. Vallin, Creating slowly oscillating sequences and slowly oscillating continuous functions (with an appendix by Vallin and H. Çakalli), *Acta Math. Univ. Comenianae* **25** (2011), 71-78.
- [40] T. Yaying and B. Hazarika, On arithmetic continuity, *Bol. Soc. Paran. Mat. (3s.)* **35** (1) (2017), 139-145.

E-mail address: huseyincakalli@maltepe.edu.tr; hcakalli@gmail.com; hcakalli@istanbul.edu.tr