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# Add full title of paper in which the only first letter is capital

**First Author1 , Second Author2,\* , Third Author3 **

1Department of Mathematics, Faculty of Arts and Sciences, Amasya University, Amasya, Türkiye

2,3Department, Faculty, University, City, Country

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## Introduction (Compulsory)

Write an introduction here. Use American English [1]. Use citations in the order of appearance in the paper (not in alphabetical order) [2]. Add a critical literature review. Clearly express the study’s motivation. Write a text of introduction here. Write [3-5] a text of introduction here. For a new paragraph, use Enter, not Shift+Enter.

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Use commas after conjunctions or adverbs, including but not limited to Therefore, Thus, Hence, Thereby, Thereafter, Consequently, Moreover, Furthermore, Besides, Further, In addition, Additionally, Then, Afterward, Subsequently, Later, Hereinafter, Finally, Thus far, Recently, Lately, and Latterly. Use commas as highlighted in yellow “…, then …”/“…, for …,”/“…, for all …,”/“For …,”/“For all …,”. Use the Oxford comma (or serial comma) (e.g., A, B, and C). Write a text of introduction here. Write [8, 9] a text of introduction here. Write [10-13] a text of introduction here.

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## Preliminaries (Recommended)

This section provides some basic notions to be needed for the following sections. Add definitions, theorems, etc. used in the paper. Give proper credit to definitions, theorems, etc. Preliminary. Preliminary. Preliminary. Preliminary. Preliminary. Preliminary.

**Definition 2.1.** [6] Definition. Definition. Definition. Definition. Definition. Definition. Definition. Definition. Definition.

**Lemma 2.2.** [7] Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma. Lemma.

PROOF*.* Proof of Lemma. Proof of Lemma. Proof of Lemma. Proof of Lemma. Proof of Lemma.

Proof of Lemma. Proof of Lemma. Proof of Lemma. Proof of Lemma. Proof of Lemma. ◻

## Section

This section presents …Section Three. Section Three. Section Three. Section Three. Section Three. Section Three. Section Three. Section Three. Section Three.

**Theorem 3.1.** Theorem. Theorem. Theorem. Theorem. Theorem. Theorem.

1.

PROOF.

1. From Lemma 2.2, … Theorem. Theorem. Theorem. Theorem. Theorem. Theorem. Theorem Theorem

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| --- | --- |
|  | (3.1) |
|  | (3.2) |
|  | (3.3) |
|  | (3.4)(3.5) |
|  | (3.6) |
|  | (3.7) |

1. From (3.1), … From (3.2) and (3.3), … From (3.4)-(3.7), …

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Do not number equations or mathematical expressions unless necessary. Do not use punctuations after centered equations/mathematical expressions, even if they are at the end of a sentence. Use , , and instead of or and . Use instead of . ◻

Tables and figures must be captioned and numbered. Captions should be located under the figure and on top of the table and must be 11 pt. Figures and tables should be referred to by the number in the text (e.g., “Table 1 shows that …”, “Figure 1 shows that …”, “Tables 1 and 2 manifest that …”, “Figures 1 and 2 specify that …”, and “Tables 1-3 indicate that …”). Texts in tables should be 9 pt.

**Table** **1.** Results for the parameters and the objects ranging from 100 to 1000

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **100** | **200** | **300** | **400** | **500** | **600** | **700** | **800** | **900** | **1000** |
| **CE10an** | 0.2739 | 3.2532 | 14.0127 | 40.1959 | 93.9178 | 184.5333 | 335.5700 | 568.7381 | 914.9916 | 1412.0988 |
| **EMO18an** | **0.0113** | **0.0069** | **0.0068** | **0.0101** | **0.0162** | **0.0200** | **0.0244** | **0.0587** | **0.0396** | **0.0506** |
| **Difference** | 0.2626 | 3.2463 | 14.0060 | 40.1858 | 93.9015 | 184.5134 | 335.5456 | 568.6794 | 914.9520 | 1412.0482 |
| **Advantage (%)** | 95.8871 | 99.7870 | 99.9518 | 99.9748 | 99.9827 | 99.9892 | 99.9927 | 99.9897 | 99.9957 | 99.9964 |
| Boldfaced values indicate the “best” performances.  |

**Figure 1.** Results for the parameters and the objects ranging from 100 to 1000

If tables and figures are consecutive, leave a line space in between.

### Subsection

This subsection presents … Subsection. Subsection. Subsection. Subsection. Subsection. Subsection. Subsection. Subsection. Subsection. Subsection. Subsection.

**Definition 2.3.** Definition Definition Definition Definition Definition Definition Definition Definition

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### Subsubsection

Subsubsection. Subsubsection. Subsubsection. Subsubsection. Subsubsection. Subsubsection. Subsubsection. Subsubsection.

## Conclusion (Compulsory)

This study … Conclusion. Conclusion. Conclusion. Conclusion. Conclusion. Conclusion. Conclusion. Mention the need for further research (recommended), for example, “Future studies …”.

## Author Contributions

All the authors equally contributed to this work. This paper is derived from the first author’s doctoral dissertation/master’s thesis supervised by the second author. They all read and approved the final version of the paper.

The author read and approved the final version of the paper.

## Conflict of Interest

All the authors declare no conflict of interest. / The author declares no conflict of interest.

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## References

1. S. Dirik, Ü. Yıldırım, *Characterizations of contact pseudo-slant submanifolds of a Para-Kenmotsu manifold*, Journal of Amasya University the Institute of Sciences and Technology 3 (1) (2022) 49–59. article
2. D. A. Molodtsov, *Soft set theory–first results*, Computers and Mathematics with Applications 37 (4-5) (1999) 19–31. article with multi-number
3. A. Sezgin, S. Ahmad, A. Mehmood, *A new operation on soft sets: Extended difference of soft sets*, Journal of New Theory (27) (2019) 33–42. article without volume
4. D. Binbaşıoğlu, S. Demiriz, D. Türkoğlu, *Fixed points of non-Newtonian contraction mappings on non-Newtonian metric spaces*, Journal of Fixed-Point Theory and Applications 18 (1) (2016) 213–224. article with three-author
5. T. Aydın, S. Enginoğlu, *Interval-valued intuitionistic fuzzy parameterized interval-valued intuitionistic fuzzy soft matrices and their application to performance-based value assignment to noise-removal filters*, Computational and Applied Mathematics 41 (2022) 192. article with Article Number or Article ID
6. T. Alsboui, R. Hill, H. Al-Aqrabi, H. M. A. Farid, M. Riaz, S. Iram, H. M. Shakeel, M. Hussain, *A dynamic multi-mobile agent itinerary planning approach in wireless sensor networks via intuitionistic fuzzy Set*, Sensors 22 (20) (2022) 8037 17 pages. article with (just) article number and with multi-author
7. E. Tunç, *A note on the oscillation of second order differential equations with damping*, Journal of Computational Analysis and Applications (accepted/in press). accepted or in press paper
8. R. P. Agarwal, S. R. Grace, D. O’Regan, Oscillation Theory for Difference and Functional Differential Equations*,* Kluwer, Dordrecht, 2000. book
9. H.-J. Zimmermann, Fuzzy Set Theory–and Its Applications, 4th Edition, Springer, New York, 2001. book with edition
10. D. A. Molodtsov, Soft Set Theory (in Russian), URSS, Moscow, 2004. non-English book
11. A. Mukherjee, Generalized Rough Sets – Hybrid Structure and Applications, Vol. 324 of Studies in Fuzziness and Soft Computing, Springer, New Delhi, 2015, Ch. 4, pp. 11--22. book with series and chapter
12. T. Aydın, S. Enginoğlu, *Configurations of SDM methods proposed between 1999 and 2012: A follow-up study*, in: K. Yıldırım (Ed.), International Conference on Mathematics An İstanbul Meeting for World Mathematicians, İstanbul, 2020, pp. 192–211. conference/inproceedings with single editor
13. S. Enginoğlu, S. Memiş, *A review on some soft decision-making methods*, in: M. Akgül, İ. Yılmaz, A. İpek (Eds.), International Conference on Mathematical Studies and Applications, Karaman, 2018, pp. 437–442. conference/inproceedings with multi-editor
14. S. Enginoğlu, U. Erkan, S. Memiş, *Exponentially weighted mean filter for salt-and-pepper noise removal*, in: N. H. T. Dang, Y. D. Zhang, J. M. R. S. Tavares, B. H. Chen (Eds.), Artificial Intelligence in Data and Big Data Processing, Vol. 124 of Lecture Notes on Data Engineering and Communications Technologies, Springer, Cham, 2022, pp. 435–446. incollection
15. İ. Deli, *Hybrid set structures under uncertainly parameterized hypersoft sets: Theory and applications*, in: F. Smarandache, M. Saeed, M. Abdel-Baset, M. Saqlain (Eds.), Theory and Application of Hypersoft Set, Pons Publishing House, Brussels, 2021, Ch. 2, pp. 24–49. incollection with chapter
16. S. Enginoğlu, *Soft sets and soft decision-making methods*, Master’s Thesis Tokat Gaziosmanpaşa University (2008) Tokat. master's thesis
17. S. Enginoğlu, *Soft matrices*, Doctoral Dissertation Tokat Gaziosmanpaşa University (2012) Tokat. doctoral dissertation
18. D. Dua, C. Graff, UCIMachine Learning Repository (2019), <https://archive.ics.uci.edu/ml>, Accessed 4 Feb 2023. misc

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