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|  | *Journal of Advanced Research in Natural and Applied Sciences*  [dergipark.org.tr/en/pub/jarnas](https://dergipark.org.tr/en/pub/jarnas)  Open Access  *A black and white sign with a person in a circle  Description automatically generated* | | |  |
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# Full Title of Paper

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| **Article Info**   |  |  | | --- | --- | | *Received*: | xx Jan 202x | | *Accepted*: | xx Jan 202x | | *Published*: | xx Jan 202x |   Research Article | **Abstract −** Insert an abstract here, including the purpose, method, and findings of the study. The abstract must not exceed 250 words (minimum 60 words). Do not use references in the abstract. Do not use any abbreviations unless the unabbreviated form is provided herein. Write three-five keywords. ORCIDs are compulsory. By right clicking the ORCID icon, select “Edit Link” and paste your ID as https://orcid.org/xxxx-xxxx-xxxx-xxxx. |
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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. Express the study’s motivation. This section cannot contain a subsection. Do not cite unpublished studies, such as the ones in arXiv. Write an introduction text here [3-5]. For a new paragraph, use Enter, not Shift+Enter.

Do not use informal expressions, such as first-person pronoun “I”, certain conjunctions, prepositions, adverbs, or modal expressions (e.g., also, plus, so far, now, so, and let us), contractions (e.g., can’t, don’t, haven’t, and aren’t), abbreviations (e.g., let’s, ASAP, and w.r.t.), phrasal verbs, slangs, and colloquial language [6, 7]. Write in full the phrase you want to use the abbreviation of and specify the abbreviation symbol in parentheses. Use only the abbreviation in subsequent uses.

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 necessary commas …, then … / …, for …, / …, for all …, / For …, / For all …,. Use the Oxford comma (or serial comma) (e.g., A, B, and C). Write an introduction text here [8, 9]. Write an introduction text here [10-13].

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## Materials and Methods/ Preliminaries (Recommended)

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**Definition 2.1.** [5] Definition. Definition. Definition. Definition. Definition. Definition. Definition. Definition.

**Lemma 2.2.** [5] 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. ◻

### Subsection Subsection

Tables and figures must be captioned and numbered. Captions should be located under the figure and top the table, centered, Sentence case form, and 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. Suppose tables and figures are consecutive, leave a line space in between.

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **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

### Subsubsection Subsubsection

The SI system (Systeme International d’Unit´es) must be used in all scientific data. There should be no space between the % sign and the number. The percent sign (%) is used after the number, e.g., 18%. A decimal point must be used in decimal numbers, e.g., 2.5 instead of 2,5.

## Results and Discussion/ Main Results (Recommended)

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### Equations

The equations are written centered. Equations are numbered sequentially in the relevant section. Do not number equations or mathematical expressions unless necessary. Do not use punctuation after centered equations/ mathematical expressions, even if they are at the end of a sentence. Use , , and instead of or and . Use instead of . Equations should be referred to by the number with parentheses in the text (e.g., From (3.1), …, From (3.1) and (3.2), …, From (3.1)-(3.3), …, and From (3.1)-(3.3) and (3.5), …).

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

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



PROOF. *i.* By Definition 2.1/ From Lemma 2.2, ... Proof. Proof. Proof. Proof. Proof. Proof. Proof. Proof. Proof. Proof. Proof. Proof

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |

Proof. Proof. Proof. Proof. Proof. Proof. Proof. Proof. Proof.

Proof. Proof. ◻

## Conclusion (Compulsory)

This study ... (Write the remarkable results of the study briefly, a minimum of 30 words). Future studies ... (Mention the need for further research, a minimum of 30 words).

## Author Contributions (Compulsory)

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

## Conflict of Interest (Compulsory)

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

## Ethical Review and Approval (Compulsory)

No approval from the Board of Ethics is required. / The research was reviewed and approved by the Board of Ethics of Xx University, Approval number: E-56365223-050.04.

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**Table 2.** Common Mistakes and Their Corrections

|  |  |
| --- | --- |
| Mistakes | Corrections |
| from Equation (2.1), | from (2.1), |
| from Eq. (2.1), | from (2.1), |
| the Table 3 | Table 3 |
| the Fig. 3 | Figure 3 |
|  | for all |
| for every | for all |
| for any | for all |
| AA, BB and CC | AA, BB, and CC |
| AA, BB or CC | AA, BB, or CC |
| Let us consider | Consider |
| Let’s consider | Consider |
|  |  |
|  |  |
|  |  |
| x |  |
|  |  |
| Molodtsov has defined soft sets, a new mathematical tool [2]. | Molodtsov [2] has defined soft sets, a new mathematical tool. |

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