

# Full Title of The Paper 

First Author ${ }^{1}{ }^{\oplus}$, Second Author ${ }^{2}$ © ${ }^{\text {, Third Author }}{ }^{3}$ ©<br>${ }^{1}$ Department of Environmental Engineering, Faculty of Engineering, Çanakkale Onsekiz Mart University, Çanakkale, Türkiye<br>${ }^{2,3}$ Department, Faculty, University, City, Country

| Article History |  |
| :--- | :---: |
| Received: xx Jan 202x |  |
| Accepted: xx Jan 202x |  |
| Published: xx Jan 202x |  |

Puber


#### Abstract

Insert an abstract here, including the purpose, method, and findings of the study. The abstract must not exceed 250 words (minimum 100 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 rightclicking the ORCID icon, select "Edit Link" and paste your ID as https://orcid.org/xxxx-xxxx-xxxx-xxxx. Insert an abstract here, including the purpose, method, and findings of the study. The abstract must not exceed 250 words (minimum 100 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.


Keywords - First keyword, second keyword, third keyword, fourth keyword, fifth keyword
Subject Classification (2020):

## 1. 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. This section cannot contain a subsection. Write a text of introduction here. Write [3-6] a text of introduction here. For a new paragraph, use Enter, not Shift+Enter.

Do not use informal expressions, such as first-person pronoun " I ", certain conjunctions, prepositions, or adverbs (e.g., also, plus, so far, now, and so), contractions (e.g., can't, don't, haven't, we're, and let's), abbreviations (e.g., ASAP and w.r.t.), phrasal verbs, slangs, and colloquial language [7, 8]. 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 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 [9, 10] a text of introduction here. Write [11-14] a text of introduction here.

Describe the paper's layout in the last paragraph. Write a text of introduction here. Write [15, 16] a text of introduction here. Write a text of introduction here. Write a text of introduction here [17-20].

[^0]
## 2. Materials and Methods/Preliminaries (Recommended)

Materials and methods used in the research articles should be explained in this section. For the reproducibility of the study, the method should be given in detail and clearly. Methods used should be supported by previously published references.

Add definitions, theorems, etc. used in the paper. Give proper credit to definitions, theorems, etc. The first sentence of Preliminaries can be started as "This section presents/provides some of the basic definitions and properties/some notions to be used/required/needed in the next sections/following section.".

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.

### 2.1. 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 $\ldots$ ", and "Tables $1-3$ indicate that $\ldots$..". Texts in tables should be 9 pt . If 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

|  | $\mathbf{1 0 0}$ | $\mathbf{2 0 0}$ | $\mathbf{3 0 0}$ | $\mathbf{4 0 0}$ | $\mathbf{5 0 0}$ | $\mathbf{6 0 0}$ | $\mathbf{7 0 0}$ | $\mathbf{8 0 0}$ | $\mathbf{9 0 0}$ | $\mathbf{1 0 0 0}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CE10an | 0.2739 | 3.2532 | 14.0127 | 40.1959 | 93.9178 | 184.5333 | 335.5700 | 568.7381 | 914.9916 | 1412.0988 |
| EMO18an | $\mathbf{0 . 0 1 1 3}$ | $\mathbf{0 . 0 0 6 9}$ | $\mathbf{0 . 0 0 6 8}$ | $\mathbf{0 . 0 1 0 1}$ | $\mathbf{0 . 0 1 6 2}$ | $\mathbf{0 . 0 2 0 0}$ | $\mathbf{0 . 0 2 4 4}$ | $\mathbf{0 . 0 5 8 7}$ | $\mathbf{0 . 0 3 9 6}$ | $\mathbf{0 . 0 5 0 6}$ |
| 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. Boldfaced values indicate the "best" performances. Boldfaced values indicate the "best" performances.


Figure 1. Plasma $\mathrm{Na}+$ concentrations in $14 \mathrm{~g}(\bullet), 20 \mathrm{~g}(\mathbf{\Delta})$, and $30 \mathrm{~g}(\boldsymbol{\square})$ trout transported to seawater

### 2.1.1. Subsubsection Subsubsection

The SI system (Système International d'Unités) 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 .

## 3. Results and Discussion/Main Results (Recommended)

This section should provide/introduce/investigate the findings and discussion/definitions and theorems. Findings/Concepts obtained from the study should be supported in this section by figures and tables/propositions and examples. For "Results and Discussion", the similarities and differences of the obtained results with other studies should be provided, and the possible reasons for these should be discussed based on the literature. For "Results and Discussion", the contribution and importance of the results to science should be emphasized. The obtained results should be interpreted, avoiding unnecessary repetitions.

### 3.1. 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 $A, B$, and $C$ instead of $A, B, C$ or $A, B$, and $C$. Use $i \in\{1,2,3, \cdots\}$ instead of $i=1,2,3, \cdots$. 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), ...").

$$
\begin{gather*}
y=y  \tag{3.1}\\
|x+y| \leq|x|+|y|  \tag{3.2}\\
\left\{\begin{array}{cc}
-p(x) u^{\prime \prime}(x)+q(x) u(x)=\lambda u(x), & x \in[-1,0) \cup(0,1] \\
(\ln y)^{\prime}(-1)=a_{1},(\ln y)^{\prime}(1)=a_{2}, & a_{1}, a_{2} \in \mathbb{R}
\end{array}\right.  \tag{3.3}\\
\left\{\begin{array}{cc}
-p(x) u^{\prime \prime}(x)+q(x) u(x)=\lambda u(x), & x \in[-1,0) \cup(0,1] \\
(\ln y)^{\prime}(-1)=a_{1},(\ln y)^{\prime}(1)=a_{2}, & a_{1}, a_{2} \in \mathbb{R}
\end{array}\right.  \tag{3.4}\\
-p(x) u^{\prime \prime}(x)+q(x) u(x)=\lambda u(x), \quad x \in[-1,0) \cup(0,1]  \tag{3.6}\\
(\ln y)^{\prime}(-1)=a_{1},(\ln y)^{\prime}(1)=a_{2}, \quad a_{1}, a_{2} \in \mathbb{R}
\end{gather*}
$$

Theorem 3.1. Theorem. Theorem. Theorem. Theorem. Theorem. Theorem.
i. $x=x \Rightarrow x-x=0 \Rightarrow x-x=0$
ii. $y=y \Leftrightarrow y-y=y-y$

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

$$
\begin{aligned}
(x+y)^{2} & =x^{2}+x y+y x+y^{2} \\
& =x^{2}+2 x y+y^{2}
\end{aligned}
$$

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

$$
\left[a_{i j}\right]=\left[\begin{array}{llll}
0 & 0 & 0 & 1 \\
0 & 1 & 0 & 1 \\
0 & 0 & 0 & 1
\end{array}\right]
$$

Proof. Proof.

## 4. Conclusion (Compulsory)

Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words.

Write forward-looking suggestions and opinions about the study results in the last paragraph, a minimum of 50 words. Write forward-looking suggestions and opinions about the study results in the last paragraph, a minimum of 50 words. Write forward-looking suggestions and opinions about the study results in the last paragraph, a minimum of 50 words.

## Author Contributions (Compulsory)

The fourth author directed the project and supervised this study's findings. The second and third authors devised the main conceptual ideas and developed the theoretical framework. The first and second authors performed the experiment and statistical analyses. The first author wrote the manuscript with support from the second, third, and fourth authors. The fourth author reviewed and edited the paper. All authors read and approved the final version of the paper. This paper is derived from the first author's doctoral dissertation/master's thesis supervised by the fourth author.

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

## Conflicts of Interest (Compulsory)

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

## Acknowledgement (if necessary)

We thank Dr. Filiz Uğur Nigiz for his supports. This work was supported by the Office of Scientific Research Projects Coordination at Çanakkale Onsekiz Mart University, Grant number: FBA-2018-1367.

## References

[1] L. A. Zadeh, Fuzzy sets, Information and Control 8 (3) (1965) 338-353. 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 nonNewtonian metric spaces, Journal of Fixed-Point Theory and Applications 18 (1) (2016) 213-224. article with three-author
[5] A. Yakar, Z. Akdoğan, On the fundamental solutions of a discontinuous fractional boundary value problem, Advances in Difference Equations, 2017 (2017) Article ID 37815 pages. article with Article ID
[6] 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) Article Number 19245 pages. article with Article Number
[7] 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) 803717 pages. article with (just) article number and with multi-author
[8] 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
[9] R. P. Agarwal, S. R. Grace, D. O’Regan, Oscillation theory for difference and functional differential equations, Kluwer, Dordrecht, 2000. book
[10] H.-J. Zimmermann, Fuzzy set theory-and its applications, 4th Edition, Springer, New York, 2001. book with edition
[11] D. A. Molodtsov, Soft set theory (in Russian), URSS, Moscow, 2004. non-English book
[12] 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
[13] 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
[14] 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
[15] 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
[16] 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
[17] S. Enginoğlu, Soft sets and soft decision-making methods, Master's Thesis Tokat Gaziosmanpaşa University (2008) Tokat. master's thesis
[18] S. Enginoğlu, Soft matrices, Doctoral Dissertation Tokat Gaziosmanpaşa University (2012) Tokat. doctoral dissertation
[19] J. H. Thomas, Variations on the Fibonacci universal code (2007) 4 pages, https://arxiv.org/abs/cs/0701085. unpublished
[20] D. Dua, C. Graff, UCI Machine Learning Repository (2019), https://archive.ics.uci.edu/ml, Accessed 4 Feb 2023. misc

Notes for References: A communicated/submitted article should not be cited in the paper. Do not abbreviate last names. Use "F. Uğur Nigiz", "D. A. Molodtsov", and "H.-J. Zimmermann" but not full names "Filiz Uğur Nigiz", "Dmitri Anatol'evich Molodtsov", and "Hans-Jürgen Zimmermann", respectively. Moreover, use D. A. Molodtsov instead of D.A. Molodtsov. Abbreviations in an article's title, such as SDM (see [13]), should be written in capital letters. Titles should be written in Sentence Case Form, and all the publishers' names should be written Smart Title Case Form, i.e., the first letter of each word capitalized except for web addresses, "a", "an", "the", "in", "on", etc. For the Title Case Form, you can use https://convertcase.net/.


# Full Title of Paper 

First Author ${ }^{1}{ }^{(©)}$, Second Author ${ }^{2}{ }^{(0}$, Third Author ${ }^{3}{ }^{(1)}$<br>${ }^{1}$ Department of Environmental Engineering, Faculty of Engineering, Çanakkale Onsekiz Mart University, Çanakkale, Türkiye<br>${ }^{2,3}$ Department, Faculty, University, City, Country

## Article History

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 100 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. Edit the codes \orcid\{0000-0000-0000-0000\} in the .tex file "JARNAS_Template_LaTeX" according to your own ORCIDs. Insert an abstract here, including the purpose, method, and findings of the study. The abstract must not exceed 250 words (minimum 100 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. Edit the codes $\backslash \operatorname{orcid}\{0000-0000-0000-0000\}$ in the .tex file "JARNAS_Template_LaTeX" according to your own ORCIDs.


Keywords - First keyword, second keyword, third keyword, fourth keyword, fifth keyword

## 1. 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. This section cannot contain a subsection. Write a text of introduction here [3-6]. In the .tex file, for a new paragraph, do not use "<br>".

Do not use informal expressions, such as first person pronoun "I", certain conjunctions, prepositions, or adverbs (e.g., also, plus, so far, now, and so), contractions (e.g., can't, don't, haven't, we're, and let's), abbreviations (e.g., ASAP and w.r.t.), phrasal verbs, slangs, and colloquial language $[7,8]$. 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 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 $[9,10]$. Write a text of introduction here [11-14].

Describe the paper's layout in the last paragraph.. Write a text of introduction here. Write a text of introduction here $[15,16]$. Write a text of introduction here. Write a text of introduction here. Write a text of introduction here [17-20].

[^1]
## 2. Materials and Methods/Preliminaries (Recommended)

Materials and methods used in the research articles should be explained in this section. For the reproducibility of the study, the method should be given in detail and clearly. Methods used should be supported by previously published references.

Add definitions, theorems, etc. used in the paper. Give proper credit to definitions, theorems, etc. The first sentence of Preliminaries can be started as "This section presents/provides some of the basic definitions and properties/some notions to be used/required/needed in the next sections/following section."

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

Lemma 2.2. [6] 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.

### 2.1. 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 $\ldots$ ", "Figures 1 and 2 specify that $\ldots$ ", and "Tables 1-3 indicate that ..."). Texts in tables should be 9 pt . If 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

|  | $\mathbf{1 0 0}$ | $\mathbf{2 0 0}$ | $\mathbf{3 0 0}$ | $\mathbf{4 0 0}$ | $\mathbf{5 0 0}$ | $\mathbf{6 0 0}$ | $\mathbf{7 0 0}$ | $\mathbf{8 0 0}$ | $\mathbf{9 0 0}$ | $\mathbf{1 0 0 0}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CE10an | 0.2739 | 3.2532 | 14.0127 | 40.1959 | 93.9178 | 184.5333 | 335.5700 | 568.7381 | 914.9916 | 1412.0988 |
| EMA18an | $\mathbf{0 . 0 1 1 3}$ | $\mathbf{0 . 0 0 6 9}$ | $\mathbf{0 . 0 0 6 8}$ | $\mathbf{0 . 0 1 0 1}$ | $\mathbf{0 . 0 1 6 2}$ | $\mathbf{0 . 0 2 0 0}$ | $\mathbf{0 . 0 2 4 4}$ | $\mathbf{0 . 0 5 8 7}$ | $\mathbf{0 . 0 3 9 6}$ | $\mathbf{0 . 0 5 0 6}$ |
| 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. Boldfaced values indicate the "best" performances. Boldfaced values indicate the "best" performances


Figure 1. Plasma Na+ concentrations for $14 \mathrm{~g}(\bullet), 20 \mathrm{~g}(\mathbf{\Delta})$, and $30 \mathrm{~g}(\mathbf{\square})$ trout transported to seawater

### 2.1.1. Subsubsection Subsubsection

The SI system (Système International d'Unités) 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 .

## 3. Results and Discussion/Main Results (Recommended)

This section should provide/introduce/investigate the findings and discussion/definitions and theorems. Findings/Concepts obtained from the study should be supported in this section by figures and tables/propositions and examples. For "Results and Discussion", the similarities and differences of the obtained results with other studies should be provided, and the possible reasons for these should be discussed based on the literature. For "Results and Discussion", the contribution and importance of the results to science should be emphasized. The obtained results should be interpreted, avoiding unnecessary repetitions.

### 3.1. 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 $A, B$, and $C$ instead of $A, B, C$ or $A, B$, and $C$. Use $i \in\{1,2,3, \cdots\}$ instead of $i=1,2,3, \cdots$. 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), .. ").

$$
\begin{gather*}
y=y  \tag{3.1}\\
|x+y| \leq|x|+|y|  \tag{3.2}\\
\left\{\begin{array}{cc}
-p(x) u^{\prime \prime}(x)+q(x) u(x)=\lambda u(x), & x \in[-1,0) \cup(0,1] \\
(\ln y)^{\prime}(-1)=a_{1},(\ln y)^{\prime}(1)=a_{2}, & a_{1}, a_{2} \in \mathbb{R}
\end{array}\right.  \tag{3.3}\\
\left\{\begin{array}{cc}
-p(x) u^{\prime \prime}(x)+q(x) u(x)=\lambda u(x), & x \in[-1,0) \cup(0,1] \\
(\ln y)^{\prime}(-1)=a_{1},(\ln y)^{\prime}(1)=a_{2}, & a_{1}, a_{2} \in \mathbb{R}
\end{array}\right.  \tag{3.4}\\
-p(x) u^{\prime \prime}(x)+q(x) u(x)=\lambda u(x), \quad x \in[-1,0) \cup(0,1]  \tag{3.6}\\
(\ln y)^{\prime}(-1)=a_{1},(\ln y)^{\prime}(1)=a_{2}, \quad a_{1}, a_{2} \in \mathbb{R}
\end{gather*}
$$

Theorem 3.1. Theorem. Theorem. Theorem. Theorem. Theorem. Theorem.
i. $x=x \Rightarrow x-x=0$
ii. $y=y \Leftrightarrow y-y=y-y$

## Proof.

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

$$
\begin{aligned}
(x+y)^{2} & =x^{2}+x y+y x+y^{2} \\
& =x^{2}+2 x y+y^{2}
\end{aligned}
$$

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

$$
\left[a_{i j}\right]=\left[\begin{array}{llll}
0 & 0 & 0 & 1 \\
0 & 1 & 0 & 1 \\
0 & 1 & 0 & 1 \\
0 & 0 & 0 & 1
\end{array}\right]
$$

Proof. Proof.

## 4. Conclusion (Compulsory)

Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words. Write the remarkable results of the study briefly, a minimum of 100 words.
Write forward-looking suggestions and opinions about the study results in the last paragraph, a minimum of 50 words. Write forward-looking suggestions and opinions about the study results in the last paragraph, a minimum of 50 words. Write forward-looking suggestions and opinions about the study results in the last paragraph, a minimum of 50 words.

## Author Contributions (Compulsory)

The fourth author directed the project and supervised this study's findings. The second and third authors devised the main conceptual ideas and developed the theoretical framework. The first and second authors performed the experiment and statistical analyses. The first author wrote the manuscript with support from the second, third, and fourth authors. The fourth author reviewed and edited the paper. All authors read and approved the final version of the paper. This paper is derived from the first author's doctoral dissertation/master's thesis supervised by the fourth author.

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

## Conflicts of Interest (Compulsory)

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

## Acknowledgement (if necessary)

We thank Dr. Filiz Uğur Nigiz for his supports. This work was supported by the Office of Scientific Research Projects Coordination at Çanakkale Onsekiz Mart University, Grant number: FBA-20181367.

## References

[1] L. A. Zadeh, Fuzzy sets, Information and Control 8 (3) (1965) 338-353. 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] A. Yakar, Z. Akdoğan, On the fundamental solutions of a discontinuous fractional boundary value problem, Advances in Difference Equations, 2017 (2017) Article ID 37815 pages. article with Article ID
[6] T. Aydın, S. Enginoğlu, Interval-valued intuitionistic fuzzy parameterized interval-valued intuitionistic fuzzy soft matrices and their application to performance-based value assignment to noiseremoval filters, Computational and Applied Mathematics 41 (2022) Article Number 19245 pages. article with Article Number
[7] 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) 803717 pages. article with (just) article number and with multi-author
[8] 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
[9] R. P. Agarwal, S. R. Grace, D. O'Regan, Oscillation theory for difference and functional differential equations, Kluwer, Dordrecht, 2000. book
[10] H.-J. Zimmermann, Fuzzy set theory-and its applications, 4th Edition, Springer, New York, 2001. book with edition
[11] D. A. Molodtsov, Soft set theory (in Russian), URSS, Moscow, 2004. non-English book
[12] 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
[13] 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
[14] 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
[15] 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
[16] 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, Vol. 5, Pons Publishing House, Brussels, 2021, Ch. 2, pp. 24-49. incollection with chapter
[17] S. Enginoğlu, Soft sets and soft decision making methods, Master's Thesis Tokat Gaziosmanpaşa University (2008) Tokat. master's thesis
[18] S. Enginoğlu, Soft matrices, Doctoral Dissertation Tokat Gaziosmanpaşa University (2012) Tokat. doctoral dissertation
[19] J. H. Thomas, Variations on the Fibonacci universal code (2007) 4 pages, https://arxiv.org/abs/cs/0701085. unpublished
[20] D. Dua, C. Graff, UCI Machine Learning Repository (2019), https://archive.ics.uci.edu/ml, Accessed 4 Feb 2023. misc

Note for References Section: A communicated/submitted paper should not be cited in the paper. Do not abbreviate last names. Use "A. Yakar", "D. A. Molodtsov", and "H.-J. Zimmermann" but not full names "Ali Yakar", "Dmitri Anatol'evich Molodtsov", and "Hans-Jürgen Zimmermann", respectively. Moreover, use D. A. Molodtsov instead of D.A. Molodtsov. Abbreviations in an article's title, such as SDM (see [13]), should be written in capital letters. Titles should be written in Sentence Case Form, and all the publishers' names should be written Smart Title Case Form, i.e., the first letter of each word is capitalized except for web addresses, "a", "an", "the", "in", "on", etc. For the Title Case Form, you can use https://convertcase.net/. For urls, use the command "\jarnasurl".

Moreover, if you use a .bib file, remove comments (\%) of the commands \bibliographystyle\{0jarnas\} and \bibliography\{0jarnas_bib\} in this .tex file, examine the .bib file 0jarnas_bib, and pay attention to how entry types (article, book, conference/inproceedings, incollection, mastersthesis/phdthesis, unpublished, and misc) and field types (author, title, journal, volume, number, pages, year, publisher, series, address, edition, howpublished, booktitle, editor, chapter, and school) in the .bib file are written.


[^0]:    ${ }^{1}$ firstauthor@comu.edu.tr; ${ }^{2}$ secondauthor@gmail.com (Corresponding Author); ${ }^{3}$ thirdauthor@comu.edu.tr

[^1]:    ${ }^{1}$ First author's e-mail; ${ }^{2}$ Second author's e-mail (Corresponding Author); ${ }^{3}$ Third author's e-mail

