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Abstract — Insert an abstract here, a minimum of 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. Write two Mathematics Subject Classification (2020) codes, primary and secondary (both compulsory). ORCIDs are compulsory. Edit the codes \orcid{0000-0000-0000-0000} on lines 22-26 in the .tex file "JNT_Template_LaTeX" according to your own ORCIDs.

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

Mathematics Subject Classification (2020) 34KXX, 39AXX

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 "\\".

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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 [9, 10]. Write a text of introduction here [11–14].

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2. Preliminaries (Recommended)

Add definitions, theorems, etc. used in the paper. Give proper credit to definitions, theorems, etc. Preliminary. Preliminary. Preliminary. Preliminary. Preliminary. Preliminary.

Preliminary. Preliminary. Preliminary. Preliminary. Preliminary. Preliminary. Preliminary. Preliminary. Preliminary.

Definition 2.1. [5] 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.

$$[a_{ij}] = \begin{bmatrix} 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & 1 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$

Proof of Lemma. Proof of Lemma. Proof of Lemma. Proof of Lemma. Proof of Lemma. □

2.1. Subsection

Subsection. Subsection. Subsection. Subsection. Subsection. Subsection. Subsection. Subsection. Subsection. Subsection.

Definition 2.3. Definition Definition Definition Definition Definition Definition Definition Definition

$*$	a	b	c
a	a	b	c
b	b	c	a
c	c	a	b

2.1.1. Subsubsection

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

3. Section

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.

i. $x = x \Rightarrow x - x = 0$

ii. $y = y \Leftrightarrow y - y = y - y$

Proof. *i.* From Lemma 2.2, ... Theorem. Theorem. Theorem. Theorem. Theorem. Theorem.

$$y = y \tag{3.1}$$

$$|x + y| \leq |x| + |y| \tag{3.2}$$

$$\begin{cases} -p(x)u''(x) + q(x)u(x) = \lambda u(x), & x \in [-1, 0) \cup (0, 1] \\ (\ln y)'(-1) = a_1, (\ln y)'(1) = a_2, & a_1, a_2 \in \mathbb{R} \end{cases} \tag{3.3}$$

$$\begin{cases} -p(x)u''(x)+q(x)u(x)=\lambda u(x), & x\in[-1,0)\cup(0,1] \quad (3.4)\\ (\ln y)'(-1)=a_1,(\ln y)'(1)=a_2, & a_1,a_2\in\mathbb{R} \quad (3.5)\end{cases}$$

$$-p(x)u''(x)+q(x)u(x)=\lambda u(x), \quad x\in[-1,0)\cup(0,1] \quad (3.6)$$

$$(\ln y)'(-1)=a_1,(\ln y)'(1)=a_2, \quad a_1,a_2\in\mathbb{R} \quad (3.7)$$

ii. From (3.1), ... text. In (3.2), ... text. (3.3) shows that ... text. From (3.4) and (3.5), ... text. From (3.5)–(3.7), ... text.

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

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Tables and figures must be captioned and numbered. Captions should be located under the figure and on top of the table. 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 ...").

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
EMA18an	**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. Boldfaced values indicate the "best" performances. Boldfaced values indicate the "best" performances.

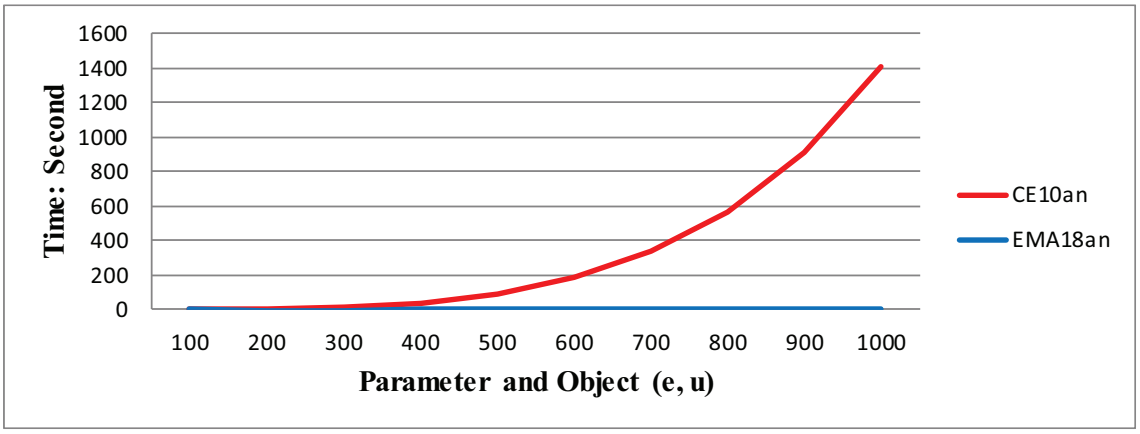

Figure 1. Results for the parameters and the objects ranging from 100 to 1000

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4. 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)

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.

Conflicts of Interest (Compulsory)

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

Acknowledgement (if necessary)

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