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Research Article

Title of the Article

AUTHOR1* AND AUTHOR2

ABSTRACT. The manuscript should contain an abstract. The abstract should be self-contained and citation-free and should not exceed 200 words. The abstract should state the purpose, approach, results and conclusions of the work. The author should assume that the reader has some knowledge of the subject but has not read the paper. Thus, the abstract should be intelligible and complete in it-self (no numerical references); it should not cite figures, tables, or sections of the paper. The abstract should be written using third person instead of first person.

Keywords: keywords and phrases.

2020 Mathematics Subject Classification: code, code.

1. INTRODUCTION

This is an example of manuscript in LaTeX in form required by the publisher of the *MODERN MATHEMATICAL METHODS*.

2. SECTION TITLE

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Insert your text here. Make sure that it is written in correct English.

If there are subsections, then you may use

2.1. **Subsection title.**

You may also use subsubsections (but not more), but please put a line or two of text between the subsection and the subsubsection titles.

Proclaims (theorems, propositions,...) should be inserted as follows:

Theorem 2.1. *This is an example of Theorem.*

Received: xx.xx.xxxx; Accepted: xx.xx.xxxx; Published Online: xx.xx.xxxx
*Corresponding author: NAME of the corresponding author; email address

Proof. This is an example of proof for a Theorem, Lemma, Corollary and Proposition. Follows an example of enumerated equation

$$
\begin{aligned}
f'(x) &= \lim_{h\to 0} \frac{f(x+h) - f(x)}{h} \\
&= \lim_{h\to 0} \frac{a^{x+h} - a^x}{h} \\
&= \lim_{h\to 0} \frac{a^x a^h - a^x}{h} \qquad (2.1) \\
&= \lim_{h\to 0} \frac{a^x \left(a^h - 1\right)}{h} \qquad (2.2)
\end{aligned}
$$

□

Proposition 2.1. *This is an example of Proposition.*

Corollary 2.1. *This is an example of Corollary.*

Lemma 2.1. *This is an example of Lemma.*

3. Main results

Example 3.1. *This is an example of Example.*

Definition 3.1. *This is an example of Definition.*

Remark 3.1. *This is an example of Remark.*

Open question 1. *This is an example of Question.*

3.1. **Numbered list items sample:**

1. First level numbered list entry. sample numbered list entry.
2. First numbered list entry. sample numbered list entry. Numbered list entry. sample numbered list entry. Numbered list entry. sample numbered list entry.
   a. Second level alpabetical list entry. Second level alpabetical list entry. Second level alpabetical list entry [1] Second level alpabetical list entry.
   b. Second level alpabetical list entry. Second level alpabetical list entry [3].
      ii. Third level lowercase roman numeral list entry. Third level lowercase roman numeral list entry. Third level lowercase roman numeral list entry.
      iiii. Third level lowercase roman numeral list entry. Third level lowercase roman numeral list entry [2].
   c. Second level alpabetical list entry. Second level alpabetical list entry.
3. First level numbered list entry. sample numbered list entry. Numbered list entry. sample numbered list entry. Numbered list entry.
4. Another first level numbered list entry. sample numbered list entry. Numbered list entry. sample numbered list entry. Numbered list entry.

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Author contributions. This is an author contribution text.

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Conflict of interest. The authors declare no potential conflict of interests.

SUPPORTING INFORMATION

The following supporting information is available as part of the online article:

REFERENCES

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[3] A. Aral, V. Gupta and R. P. Agarwal: *Applications of q-calculus in operator theory*, Springer, New York (2013).

AUTHOR1
SELÇUK UNIVERSITY
DEPARTMENT OF MATHEMATICS
STR NO, CODE, TOWN, COUNTRY
Email address: email address

AUTHOR2
SELÇUK UNIVERSITY
DEPARTMENT OF MATHEMATICS
STR NO, CODE, TOWN, COUNTRY
Email address: email address