UDC XXX.XX

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TITLE OF THE PAPER

INTRODUCTION. Here the text of the article begins. The introduction should contain a general statement of the problem, it's connection with important scientific or practical problems; analysis of recent researches and publications, which are devoted to solving this problems; the wording of paper's purposes.

If you want, you can bring here some auxiliary results which are needed in further.

Definition 1. [1] Text of definition.

In the text you can refer to sources from the bibliography with the command \cite{Kilb} , Arestov2. It will be printed as follows: [1, 2].

MAIN RESULTS

This section contains the main results of research with the full justification of scientific results. You can divide your text into subsections as follows:

- 1. Title of the section.
- 1.1. Title of the subsection. Text of the subsection should begin in the same line as the title of subsection.

Important formulas should be numbered (within the command $\setminus eqno(n)$ or using automatic enumeration):

$$\dot{x} = \varepsilon X(t, x),\tag{1}$$

where x is an n-dimensional vector, $\varepsilon > 0$ — small parameter, X is an n-dimensional vector-function, time $t \in I = [0, L\varepsilon^{-1}]$.

You can draw up bulky formulas more compact using the environment array

$$\varepsilon \left\| \int_{0}^{t} \varphi(s, y(s)) ds \right\| \leqslant \varepsilon \left\| \sum_{i=0}^{k-1} \int_{t_{i}}^{t_{i+1}} \left[\varphi(s, y(s)) - \varphi(s, y_{i}) \right] ds + \int_{t_{k}}^{t} \varphi(s, y(s)) ds + \sum_{i=0}^{k-1} \int_{t_{i}}^{t_{i+1}} \varphi(s, y_{i}) ds \right\| \leqslant$$

$$\leqslant \varepsilon \sum_{i=0}^{k-1} \int_{t_{i}}^{t_{i+1}} \left\| \varphi(s, y(s)) - \varphi(s, y_{i}) \right\| ds + \varepsilon \int_{t_{k}}^{t} \left\| \varphi(s, y(s)) \right\| ds +$$

$$+ \varepsilon \sum_{i=0}^{k-1} \left\| \int_{t_{i}}^{t_{i+1}} \varphi(s, y_{i}) ds \right\|.$$

$$(2)$$

To formulate a theorem use environment theorem

Theorem 1 (theorem's title). [1] Let us ... Formulation of the theorem.

Proof. Place your proof after the command \proof which concludes the proof.

Remark 1. If you want to note something important, use environment remark.

Lemma. [2] To formulate a lemma use environment lemma or lemma*.

Consequence. To formulate a corollary use environmaent consequence nïSnï-SnïS consequence*.

Example 1. To formulate an example use environment example or example *.

If you have a need to insert a graphic into your work, use the command \includegraphics inside the environment **figure**. With this command, you can insert the image in .png, .jpeg, .pdf, and .eps formats.

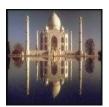


Fig. 1. Caption of the figure



We offer you to simulate text wrap by placing the text and image in two columns: open environment **multicols** with argument {2}, then insert the image. You should choose the right amount of the text to "balance" the size of the figure in the next column. If you are not satisfied with the spacing between section 2 and section columns in one column, use the vertical displacements commands.



Fig. 3. Caption of the third figure

Unfortunately, in this case will not work the **figure** environment and, consequently, will not be able to use the command \caption. However, the caption can be placed in plain text, centered below the image.

CONCLUSION. This section presents the conclusion of this study and the prospects for further research in this direction.

Title 3

- 7. **Borwein P.** Polynomials and polynomial inequalities / P. Borwein, T. Erdelyi. N.–Y.: Springer-Verlag, 1995. 482 π iS.

Резюме

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Title 5

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