# The title of the article [] 

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## Introduction

We present you a template in the Latex system for registration of scientific articles in the journal Vestnik KRAUNC. Fiziko-matematičeskie nauki (Bulletin KRASEC. Physical and Mathematical Sciences). Information about the journal, its editorial policy, rules for authors can be found on the website http://krasec.ru/. The article submitted to the editor must be complete and not previously published anywhere. An exception is posting an article as a preprint on various portals, for example, https://arxiv.org/. The manuscript of the article should contain new results in the priority areas of the journal Vestnik KRAUNC. Fiz.-Mat. Nauki such as "Mathematics", "Physics", "Mathematical Modeling" , "Information and Computing Technologies" , "Instruments and Methods of Measurements". The journal can publish thematic articles, which are formed in special issues of the journal. Review articles, dissertation abstracts and other scientific reports can also be published in the journal in agreement with the editor-in-chief of the journal.

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It must be remembered that the article must have the desired structure, consist of sections and subsections. The main sections from which the article can be structured: title, abstract, keywords, main text, conclusion and bibliography. The authors of the article themselves choose the structure of their article. However, we recommend choosing the IMRAD structure - (Introduction, Methods, Results and Discussion).

## Formatting formulas and links

In this section, we will provide some examples of a set of formulas that were used earlier in our magazine earlier. We recommend using the equation environment to format formulas. If you do not need to number the formula, you can use the $\$ \$$ or $\backslash[\backslash]$ environments.

Consider the following example taken from work[1].
Let $Z_{n}(n=0,1,2, \ldots)$, a branching random process with discrete time and one type of particles. We introduce the generating functions

$$
F(x)=\sum_{i=0}^{\infty} P_{i}(1) x^{i}, \quad F_{n}(x)=\sum_{i=0}^{\infty} P_{i}(n) x^{i},
$$

where

$$
P_{i}(n)=P\left\{Z_{i}=n / Z_{0}=1\right\},|x| \leq 1 .
$$

As is known, for generating functions the following relation holds:

$$
\begin{equation*}
\mathrm{F}_{\mathrm{i}}(\mathrm{t})=\mathrm{F}\left(\mathrm{~F}_{\mathrm{i}-1}(\mathrm{t})\right) \tag{1}
\end{equation*}
$$

To split the formula into several lines, you can use the multline command, as in the article [2].

$$
\begin{align*}
& \varepsilon(t)=\frac{\sigma_{0}}{\eta} I_{0 t}^{\alpha}\left(H(t)-H\left(t-t_{1}\right)\right)= \\
& =\frac{\sigma_{0}}{\eta \Gamma(\alpha)}\left(H(t) \int_{0}^{t}(t-\tau)^{\alpha-1} d \tau-\right. \\
& \tag{2}
\end{align*}
$$

For a set of formulas, you can use any guide on $\operatorname{HA}_{\mathrm{E}} \mathrm{X} 2_{\mathcal{E}}$, for example, you can use the help information from the Overleaf portal https://ru.overleaf.com/learn.

Formulas are referenced only with the \eqref command. References to tables and figures are given using the \ref command. For references to literature sources, use the \cite command. In the journal, it is necessary to give numbering only to those objects (formulas, figures, tables, elements of the bibliography) to which there are references in the content of the article.

References to formulas or other objects that are not "marked" will be denoted like this (??) or so [?].

Here we give some examples of references to sources of literature in the content of the article, taken from the work [1].

The asymptotic behavior of the probability $\mathrm{Q}_{\mathrm{n}}$ for discrete time was studied by A. N. Kolmogorov [3]. The results of A. N. Kolmogorov for processes with continuous time, B. A. Sevastyanov [6].

A literary survey on limit and locally limit theorems, and in particular, a refinement of the asymptotic expansion for the probability $Q_{n}$, are briefly presented in C.B. Nagayev and R. Mukhamedkhanova [5]. Therefore, we do not dwell on the literary review. For critical branching processes $(A=1)$ in the work [5, pp. 96-97] the following theorems are proved.

It is necessary to use environments for theorems, lemmas, remarks, corollaries, etc.

Environment enumeration \engtheorem, \engdefinition, \englemma, \engforexample, \engremark, \task, \engconsequence, \engcorollary, \engproposition, given manually in square brackets. Let's look at some examples.

The engtheorem environment is used to form theorems. For example, in the paper [1], the following theorems and lemmas were formulated.

Theorem 1. If $\mathrm{A}=1, \mathrm{~B}>0, \mathrm{C}<\infty$, then for $\mathrm{n} \rightarrow \infty$

$$
\mathrm{Q}_{\mathrm{n}}=\frac{2}{\mathrm{Bn}}+\left(\frac{4 \mathrm{C}}{3 \mathrm{~B}^{3}}-\frac{2}{\mathrm{~B}}\right) \frac{\ln \mathrm{n}}{\mathrm{n}^{2}}+\mathrm{o}\left(\frac{\ln n}{\mathrm{n}^{2}}\right) .
$$

Theorem 2. If $\mathrm{A}=1, \mathrm{~B}>0, \mathrm{D}<\infty$, then for $\mathrm{n} \rightarrow \infty$

$$
\mathrm{Q}_{\mathrm{n}}=\frac{2}{\mathrm{Bn}}+\left(\frac{4 \mathrm{C}}{3 \mathrm{~B}^{3}}-\frac{2}{\mathrm{~B}}\right) \frac{\ln \mathrm{n}}{\mathrm{n}^{2}}+\frac{4 \mathrm{~K}}{\mathrm{~B}^{2} \mathrm{n}^{2}}+\mathrm{O}\left(\frac{\ln \mathrm{n}}{\mathrm{n}^{3}}\right)
$$

where K is some constant depending on the form $\mathrm{F}(\mathrm{x})$.
Lemma 1. If $\mathrm{a}=0$, factorial moments $\mathrm{b}>0, \mathrm{c}, \mathrm{d}$ exist and $\mathrm{x} \in\{\mathrm{x}:|\mathrm{x}| \leq 1,|\mathrm{x}-1| \geq \mathrm{r}>0\}$, then for $\mathrm{t} \rightarrow \infty$

$$
\begin{equation*}
\mathrm{R}(\mathrm{t}, \mathrm{x})=\frac{2}{\mathrm{bt}}+\frac{4 \mathrm{c} \ln \mathrm{t}}{3 \mathrm{~b}^{2} \mathrm{t}^{2}}+\frac{4 \mathrm{~K}(\mathrm{x})}{\mathrm{b}^{2} \mathrm{t}^{2}}+\mathrm{O}\left(\frac{\ln ^{2} \mathrm{t}}{\mathrm{t}^{3}}\right) \tag{3}
\end{equation*}
$$

where $K(x)$ is some function of $x$ depending on the form $f(x)$.
Consequence 1. Under the assumptions of Lemma 1 for $t \rightarrow \infty$

$$
\begin{equation*}
\mathrm{Q}(\mathrm{t})=\frac{2}{\mathrm{bt}}+\frac{4 \mathrm{c} \ln \mathrm{t}}{3 \mathrm{~b}^{2} \mathrm{t}^{2}}+\frac{4 \mathrm{~K}(0)}{\mathrm{b}^{2} \mathrm{t}^{2}}+\mathrm{O}\left(\frac{\ln ^{2} \mathrm{t}}{\mathrm{t}^{3}}\right) \tag{4}
\end{equation*}
$$

Theorem 2. If $\mathrm{A}=1, \mathrm{~B}, \mathrm{C}, \mathrm{D}>0, \mathrm{E}<\infty$, the for $\mathrm{n} \rightarrow \infty$

$$
\begin{equation*}
\mathrm{Q}_{\mathrm{n}}=\frac{2}{\mathrm{Bn}}+\left(\frac{4 \mathrm{C}}{3 \mathrm{~B}^{3}}-\frac{2}{\mathrm{~B}}\right) \frac{\ln n}{\mathrm{n}^{2}}+\frac{4 K_{5}}{\mathrm{~B}^{2} \mathrm{n}^{2}}+\frac{8}{\mathrm{~B}^{3}}\left(\frac{\mathrm{C}}{3 \mathrm{~B}}-\frac{\mathrm{B}}{2}\right)^{2} \frac{\ln ^{2} \mathrm{n}}{\mathrm{n}^{3}}+\mathrm{O}\left(\frac{\ln n}{\mathrm{n}^{3}}\right) \tag{5}
\end{equation*}
$$

где

$$
\begin{gathered}
\mathrm{K}_{5}=1+\mathrm{T}\left[1+\frac{2}{\mathrm{~B}} \mathrm{c}_{1}-\frac{8}{\mathrm{~B}^{3}} \mathrm{~T} \sum_{\mathrm{k}=1}^{\infty} \frac{\ln \mathrm{k}}{\mathrm{k}^{2}}-\frac{4 \mathrm{~K}_{4}}{\mathrm{~B}^{2}} \sum_{\mathrm{k}=1}^{\infty} \frac{1}{\mathrm{k}^{2}}+\frac{32}{\mathrm{~B}^{5}} \mathrm{~T}^{2} \sum_{\mathrm{k}=1}^{\infty} \frac{\ln ^{2} \mathrm{k}}{\mathrm{k}^{3}}\right]+ \\
+\left(\frac{\mathrm{B}}{2} \mathrm{~T}+\mathrm{T}_{1}\right)\left[1+\frac{4}{\mathrm{~B}^{2}} \sum_{\mathrm{k}=1}^{\infty} \frac{1}{\mathrm{k}^{2}}-\frac{32}{\mathrm{~B}^{4}} \mathrm{~T} \sum_{\mathrm{k}=1}^{\infty} \frac{\ln \mathrm{k}}{\mathrm{k}^{3}}-\frac{16 \mathrm{~K}_{4}}{\mathrm{~B}^{3}} \sum_{\mathrm{k}=1}^{\infty} \frac{1}{\mathrm{k}^{3}}+\frac{192}{\mathrm{~B}^{6}} \mathrm{~T}^{2} \sum_{\mathrm{k}=1}^{\infty} \frac{\ln ^{2} \mathrm{k}}{\mathrm{k}^{4}}\right]+ \\
+\left[\frac{\mathrm{B}}{2} \mathrm{~T}_{1}+\mathrm{T}^{2}+\frac{\mathrm{BD}}{48}-\frac{\mathrm{E}}{120}\right]\left[1+\frac{8}{\mathrm{~B}^{3}} \sum_{\mathrm{k}=1}^{\infty} \frac{1}{\mathrm{k}^{3}}-\frac{96}{\mathrm{~B}^{5}} T \sum_{\mathrm{k}=1}^{\infty} \frac{\ln \mathrm{k}}{\mathrm{k}^{4}}-\frac{48 \mathrm{~K}_{4}}{\mathrm{~B}^{4}} \sum_{\mathrm{k}=1}^{\infty} \frac{1}{\mathrm{k}^{4}}+\frac{758}{\mathrm{~B}^{7}} \mathrm{~T}^{2} \sum_{\mathrm{k}=1}^{\infty} \frac{\ln ^{2} \mathrm{k}}{\mathrm{k}^{5}}\right] \\
\mathrm{T}=\frac{\mathrm{B}^{2}}{4}-\frac{C}{6}, \mathrm{~T}_{1}=\frac{D}{24}-\frac{\mathrm{BC}}{12} \\
\mathrm{~K}_{4}=1+\sum_{\mathrm{k}=0}^{\infty} \rho_{\mathrm{k}}+\left(\frac{\mathrm{B}^{2}}{4}-\frac{\mathrm{C}}{6}\right)\left[\frac{2 \mathrm{c}_{1}}{\mathrm{~B}}+\sum_{\mathrm{k}=1}^{n-1} \mathrm{q}_{\mathrm{k}}+\left(\frac{4 C}{3 \mathrm{~B}^{3}}-\frac{2}{\mathrm{~B}}\right) \sum_{\mathrm{k}=1}^{n-1} \frac{\ln \mathrm{k}}{\mathrm{k}^{2}}\right] \\
\rho_{\mathrm{k}}=\mathrm{O}\left(\frac{1}{\mathrm{k}^{2}}\right), \mathrm{q}_{\mathrm{k}}=\mathrm{o}\left(\frac{\ln \mathrm{k}}{\mathrm{k}^{2}}\right) .
\end{gathered}
$$

Remark 1. In the case of the existence of factorial moments $\alpha_{6}, \alpha_{7}$, etc. it is easy to obtain an asymptotic expansion like (5). In this case, in different cases, different constants $\mathrm{K}_{6}, \mathrm{~K}_{7}$, etc. are obtained, which differ little from each other.

An example from the article [7].
In the area

$$
\begin{gathered}
\mathrm{Q}=(-1,1) \times(0, \mathrm{~T}) \times \mathbb{R}= \\
=\mathrm{Q}_{1} \times \mathbb{R}=\{(\mathrm{x}, \mathrm{t}, z) ; x \in(-1,1), 0<\mathrm{t}<\mathrm{T}<+\infty, z \in \mathbb{R}\}
\end{gathered}
$$

consider the Tricomi equation:

$$
\begin{equation*}
\mathrm{Lu}=x \mathfrak{u}_{\mathrm{tt}}-\Delta \mathfrak{u}+\mathfrak{a}(x, t) \mathfrak{u}_{\mathrm{t}}+\mathrm{c}(x, t) \mathfrak{u}=f(x, t, z) \tag{6}
\end{equation*}
$$

Problem 1. Find a generalized solution $u(x, t, z)$ of the equation (6) from the space $\mathrm{W}_{2}^{2,3}(\mathrm{Q})$ satisfying the following boundary conditions

$$
\begin{gather*}
\left.\gamma D_{t}^{p} u\right|_{t=0}=\left.D_{t}^{p} u\right|_{t=T}  \tag{7}\\
\left.u\right|_{x=-1}=\left.u\right|_{x=1}=0 \tag{8}
\end{gather*}
$$

for $p=0,1$, where $D_{\mathfrak{t}}^{p} u=\frac{\partial^{p} \mathfrak{u}}{\partial t^{p}}, D_{t}^{0} \mathfrak{u}=\mathfrak{u}, \gamma$ - some constant nonzero number, the value of which will be specified below.

Definition 1. By a generalized solution of the problem (6)-(8) we mean the function $u(x, t, z) \in W_{2}^{2,3}(Q)$ satisfying the equation (6) with the conditions (7), (8) almost everywhere.

Proof. Justification of theorems, lemmas is carried out in the environment engproof.

Remark 2. It should be noted that for an English-language article, the decimal separator is the point.

## Design of figures and tables

Please note that the data in the figures and tables must be translated into English. Figures and tables are inserted using the figure and table environments. Please note that the figures are located in the ./fig/ directory. The name of the picture file is given by the first surname of the author, after which the number is placed. For example, Ivanov1.eps, Ivanov1.png, Ivanov1.jpeg. Figures must be necessarily vector (format eps). Only such pictures can be corrected and the necessary fonts introduced into them. It is possible to use bitmap drawings for photographs, screenshots png, jpeg, but such drawings must be original, they must not be compressed.

The table layout, taken from the [2] article, is shown below.
Table 1
Values of the approximation parameters and errors for the fractional analogue of the Kelvin model

| $\sigma_{0}, \mathrm{MPa}$ | $\alpha$ | $\mathrm{E}_{1}, \mathrm{MPa}$ | $\mathrm{E}_{2}, \mathrm{MPa}$ | $\eta$ | $\Delta, \%$ |
| :---: | :---: | ---: | ---: | ---: | :---: |
| 4,655 | 0,355 | 145,525 | 1163,800 | 190,067 | 2,586 |
| 6,288 | 0,326 | 133,601 | 898,329 | 158,793 | 4,097 |
| 8,738 | 0,394 | 140,194 | 1028,000 | 128,956 | 3,168 |
| 10.372 | 0,318 | 97,571 | 829,733 | 158,840 | 3,468 |
| 12.005 | 0,400 | 127,962 | 857,500 | 113,856 | 3,121 |

If there is only one table, then it may not be numbered, as in the following example.

Values of the approximation parameters and errors for the fractional analogue of the Kelvin model

| $\sigma_{0}, \mathrm{MPa}$ | $\alpha$ | $\mathrm{E}_{1}, \mathrm{MPa}$ | $\mathrm{E}_{2}, \mathrm{MPa}$ | $\eta$ | $\Delta, \%$ |
| :---: | :---: | ---: | ---: | ---: | :---: |
| 4,655 | 0,355 | 145,525 | 1163,800 | 190,067 | 2,586 |
| 6,288 | 0,326 | 133,601 | 898,329 | 158,793 | 4,097 |
| 8,738 | 0,394 | 140,194 | 1028,000 | 128,956 | 3,168 |
| 10.372 | 0,318 | 97,571 | 829,733 | 158,840 | 3,468 |
| 12.005 | 0,400 | 127,962 | 857,500 | 113,856 | 3,121 |

An example of the design of several figures in one (Fig. 1), taken from the article [8].


Figure 1. Local glow visible from Hasanya, corresponding to the maximum period (03:05) of the local eastern electric jet: a) 03:00, b) 3:05 LT, c) 03:10. The photo was taken with a Cs265 camcorder, used in black and white resolution in the "night" mode. Brightness increased 15 times

An example of using a vector drawing in the format eps, is shown in Fig. 2.

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Try to include original, not translated literature in the list of references. If Russianlanguage sources have a translation into English, or they have official meta-data in English, then give them.


Figure 2. This is the caption of the figure

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Remark 3. It should be noted that the list of references should contain more than 10 and less than 50 references for scientific articles and less than $30 \%$ of references to their own works.

Remark 4. It should be noted that the bibliography must be prepared using the above package mfit-bib-en in the \begin\{thebibliography\} \end\{thebibliography\} } environment. Examples of the formation of bibliography are given below.

Remark 5. Note that if an article is written in Russian and it does not have a parallel translation into English, then the design of such an article has the form, for example, in the English-language [1] with the indication In Russian. The name of the journal is given in transliteration, and the English-language title of the article is taken from the translation of the metadata of the same article in the journal. If the article has a parallel translation, the output data of the translated article without specifying In Russian is indicated in the English version, as well as the English name of the journal ([11]). For Russian-language books, it is necessary to transliterate the title of the book in the English-language part, and then indicate the title in English in quadrant brackets. At the end of the link, be sure to indicate In Russian. Conference materials (9].

## Conclusion

At the end of the article there is a section "Conclusion", which should reflect the conclusions of the research in the article. Here you need to give a brief formulation of the results of your research, as well as indicate a possible continuation of research or development of your article.

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Acknowledgments. The authors are deeply grateful to the referee for a number of comments that contributed to the improvement of the article.

Do not forget after the list of references to provide information about the authors, indicating the full name, academic degree, title, position and place of work, it is necessary to indicate the ORCID, as well as attach a good quality photo.

## References

1. Jurayev Sh. Yu. On refinements of the asymptotics expansion of the continuation of critical branching random processes, Vestnik KRAUNC. Fiz.-Mat. Nauki, 2020. vol. 32, no.3, pp. 42-54 DOI: 10.26117/2079-6641-2020-32-3-42-54 (In Russian).
2. Ungarova L. G. The use of linear fractional analogues of rheological models in the problem of approximating the experimental data on the stretch polyvinylchloride elastron, Vestn. Samar. Gos. Tekhn. Univ. Ser. Fiz.-Mat. Nauki, 2016. vol. 20, no. 4, pp. 691-706, DOI: 10.14498/vsgtu1523 (In Russian).
3. Kolmogorov A. N. Towards the solution of one biological problem, Izv. NII matem. i mex. Tomskogo Universiteta, 1938. vol. 22, no. 1, pp. 1-12 (In Russian).
4. Sevast'yanov B. A. The theory of branching random processes, Uspekhi Mat. Nauk, 1951. vol. 6, no. 6(46), pp. 47-99 (In Russian).
5. Nagayev A. V., Mukhammedkhanova R. Nekotoryye predel'nyye teoremy iz teorii vetvyashchikhsya sluchaynoye protsessov [Some limit theorems from the theory of branching random processes], In: Predel'nyye teoremy $i$ statisticheskiye vyvody [Limit theorems and statistical inference]. Tashkent, Fan, 1966, pp. 90-112 (In Russian).
6. Sevast'yanov B. A. Vetvyashchiyesya protsessy [Branching processes]. Moscow: Nauka, 1971. 436 pp. (In Russian)
7. Djamalov S. Z., Ashurov R. R., Turakulov H. Sh. On a semi-nonlocal boundary value problem for the three-dimensional Tricomi equation of an unbounded prismatic domain, Vestnik KRAUNC. Fiz.Mat. Nauki, 2021. vol. 35, no. 2, pp. 8-16, DOI: 10.26117/2079-6641-2021-35-2-8-16 (In Russian).
8. Khaerdinov N.S., Dzhappuev D. D., Kanonidi K. Kh., Kudzhaev A. U., Lidvanskii A.S., Petkov V.B., Khaerdinov M. N. Manifestations of global disturbances of the geomagnetic field in dynamics of thunderstorms, Vestnik KRAUNC. Fiz.-Mat. Nauki, 2021. vol. 34, no. 1, pp. 174-188, DOI: 10.26117/2079-6641-2021-34-1-174-188 (In Russian).
9. Alikhanov A. A. A priori estimates for parabolic equations with a movable load, In: Proceedings of the Third All-Russian Scientific Conference (29-31 May 2006). Part 3, Matem. Mod. Kraev. Zadachi.. Samara, Samara State Technical Univ., 2006, pp. 22-25.
10. Islomov B., Baltaeva U.I. Boundary value problems for a third-order loaded parabolichyperbolic equation with variable coefficients, Electron. J. Diff. Equ., 2015. vol. 2015, no. 221, pp. 1-10 https://ejde.math.unt.edu/Volumes/2015/221/abstr.html.
11. Parovik R. I. Finite-difference scheme for fractal oscillator with a variable fractional order, Bulletin KRASEC. Physical and Mathematical Sciences, 2015. vol. 11, no. 2, pp. 85-92.

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