

ИНСТРУКЦИЯ ПО ПОИСКУ ИНФОРМАЦИИ В БАЗЕ ДАННЫХ ZBMATH



Составители:

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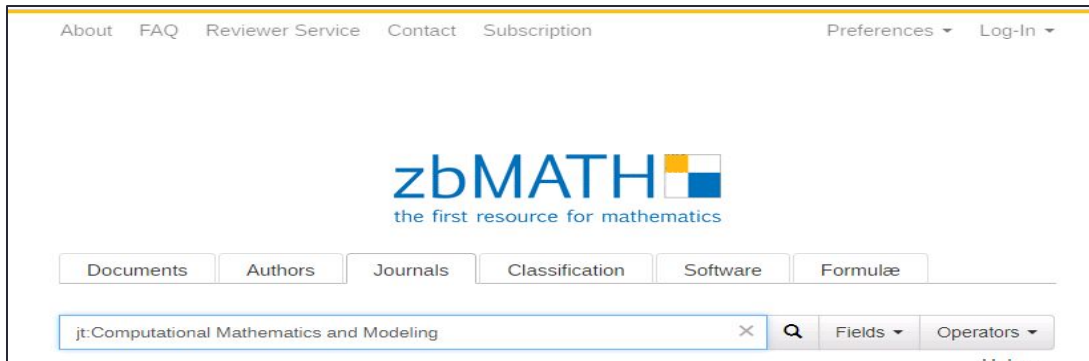
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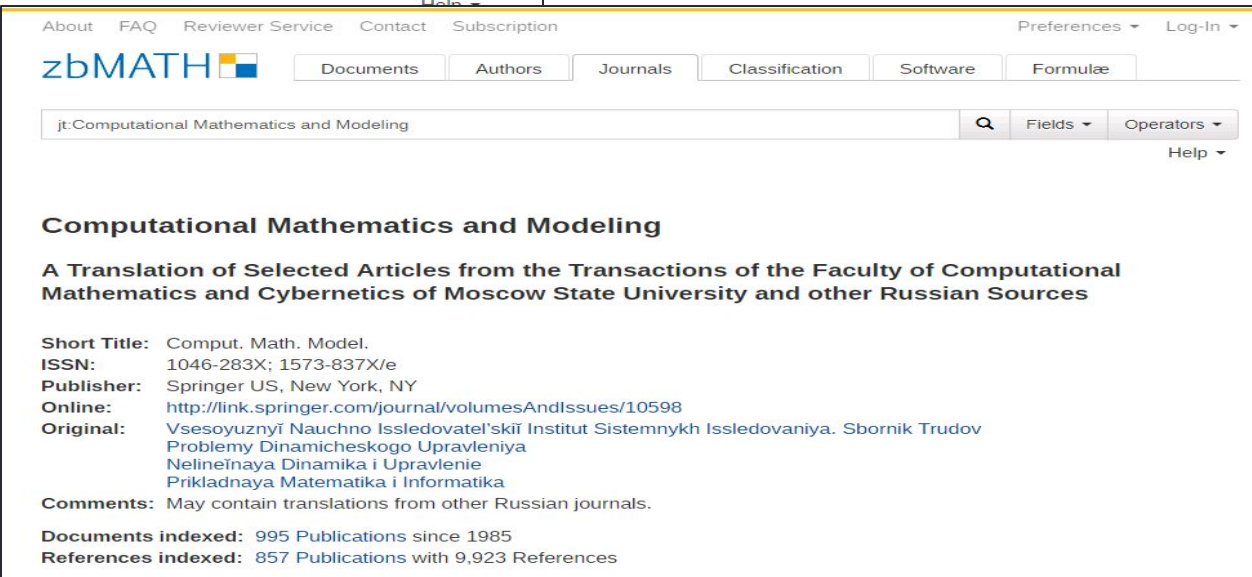
1. Поиск информации о журнале в БД zbMATH

- Для того, чтобы найти журнал в zbMATH и получить сведения о публикациях в нем, необходимо перейти на сайт <https://zbmath.org>. На вкладке *Journals* в выплывающем списке выбрать «*journal / series title*» и в строку поиска ввести название журнала.



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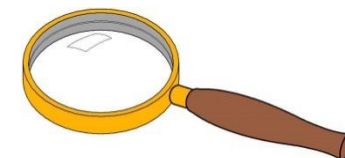
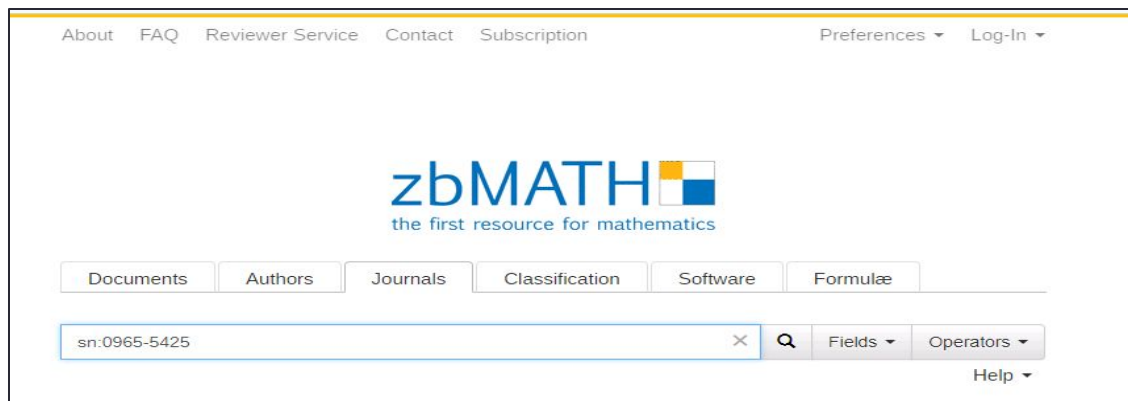


Computational Mathematics and Modeling

A Translation of Selected Articles from the Transactions of the Faculty of Computational Mathematics and Cybernetics of Moscow State University and other Russian Sources

Short Title: Comput. Math. Model.
ISSN: 1046-283X; 1573-837X/e
Publisher: Springer US, New York, NY
Online: <http://link.springer.com/journal/volumesAndIssues/10598>
Original: Vsesoyuznyi Nauchno Issledovatel'skii Institut Sistemnykh Issledovaniya. Sbornik Trudov Problemy Dinamicheskogo Upravleniya Nelineinaya Dinamika i Upravlenie Prikladnaya Matematika i Informatika
Comments: May contain translations from other Russian journals.
Documents indexed: 995 Publications since 1985
References indexed: 857 Publications with 9,923 References

- Также в zbMATH возможен поиск по ISSN журнала. Для этого нужно перейти на сайт <https://zbmath.org>. На вкладке Journals в выплывающем списке выбрать «ISSN», в строку поиска вводим значение и получаем информацию о журнале



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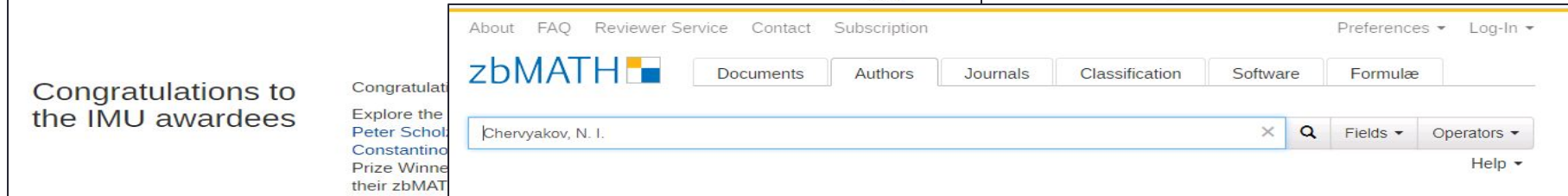
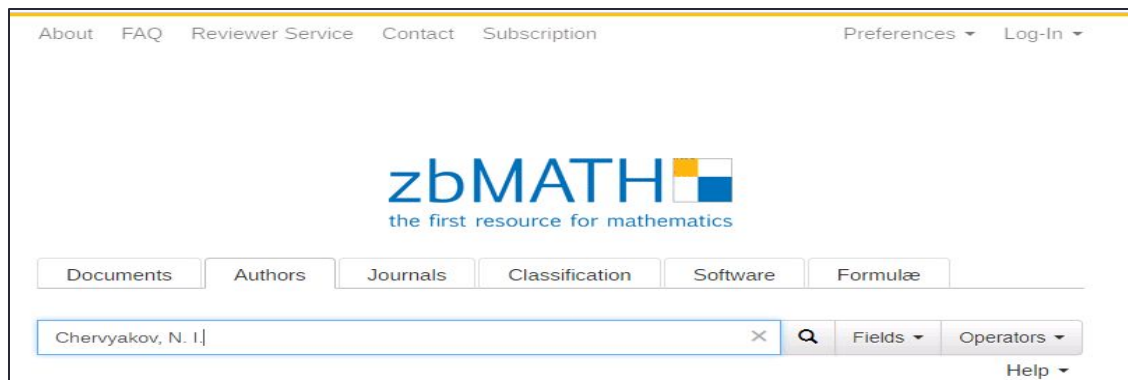
Computational Mathematics and Mathematical Physics

Short Title: Comput. Math. Math. Phys.
ISSN: 0965-5425; 1555-6662/e
Publisher: Springer US, New York, NY; Pleiades Publishing, New York, NY; MAIK "Nauka/Interperiodica", Moscow
Online: <http://link.springer.com/journal/volumesAndIssues/11470>
Original: Zhurnal Vychislitel'noi Matematiki i Matematicheskoi Fiziki
Predecessor: U.S.S.R. Computational Mathematics and Mathematical Physics
Comments: Indexed cover-to-cover

Documents indexed: 2,561 Publications since 1991
References indexed: 621 Publications with 11,931 References

2. Поиск информации об авторе

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Chervyakov, N. I.

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Author ID: chervyakov.n-i
Published as: Chervyakov, N. I.

Compute Distance To:

Paul Erdős

Documents Indexed: 4 Publications since 1998, including 1 Book

Co-Authors

all

Journals

Fields

0 single-authored
3 Babenko, M. G.
3 Lyakhov, P. A.
2 Lavrinenko, I. N.
1 Deryabin, M. A.
1 Kolyada, A. A.

2 Cybernetics and Systems Analysis
1 International Journal of Computer Mathematics

2 Computer science (68-XX)
2 Systems theory; control (93-XX)
1 Number theory (11-XX)
1 Numerical analysis (65-XX)
1 Information and communication, circuits (94-XX)



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Zorkal'tsev, V. I.

Octahedral projections of a point onto a polyhedron. (English. Russian original) Zbl 06920544
Comput. Math. Math. Phys. 58, No. 5, 813-821 (2018); translation from Zh. Vychisl. Mat. Mat. Fiz. 58, No. 5, 843-851 (2018).

Summary: In computational methods and mathematical modeling, it is often required to find vectors of a linear manifold or a polyhedron that are closest to a given point. The "closeness" can be understood in different ways. In particular, the distances generated by octahedral, Euclidean, and Hölder norms can be used. In these norms, weight coefficients can also be introduced and varied. This paper presents the results on the properties of a set of octahedral projections of the origin of coordinates onto a polyhedron. In particular, it is established that any Euclidean and Hölder projection can be obtained as an octahedral projection due to the choice of weights in the octahedral norm. It is proven that the set of octahedral projections of the origin of coordinates onto a polyhedron coincides with the set of Pareto-optimal solutions of the multicriterion problem of minimizing the absolute values of all components.