

Перечень научных трудов, выдвигаемых на конкурс

Монографии:

1. Демьянович Ю.К., Бурова И.Г. Евдокимова Т.О. Сплайн-всплески и их реализация, монография (поддержано РФФИ, грант 17-11-00099).
2. Демьянович Ю.К., Бурова И.Г. Евдокимова Т.О., Иванцова О.Н. Сплайн-всплесковая обработка потоков структурированной информации, монография (поддержано РФФИ, грант №20-11-00022-Д).

Статьи индексируемые в SCOPUS, квартили Q2-Q4:

3. Burova, I.G., Doronina, A.G. On approximations by polynomial and nonpolynomial integro-differential splines, *Applied Mathematical Sciences*. (2016), V. 10 (13-16). Pp. 735-745. Q4 Scopus. Цитировано 8 раз
4. Burova, I.G., Poluyanov, S.V. On approximations by polynomial and trigonometrical integro-differential splines, *International Journal of Mathematical Models and Methods in Applied Sciences*. (2016) V. 10. Pp. 190-199. Цитировано 9 раз. Q4 Scopus.
5. Dem'yanovich, Y.K., Gerasimov, I.V. Local Coarsening of Simplicial Subdivisions, *Journal of Mathematical Sciences (United States)* (2016), 216 (2). Pp. 219-235. Q3 Scopus SJR 0.33.
6. Burova, I.G. Application of non-polynomial splines to solving differential equations (2020) *WSEAS Transactions on Mathematics*, 19, pp. 531-548. DOI: 10.37394/23206.2020.19.58, Q4 Scopus, SJR 0.21 OPEN ACCESS: All Open Access, Bronze.
7. Burova, I.G., Zhilin, D.E. Polynomial and non-polynomial splines with the fourth order of approximation (2020), *Applied Mathematics and Information Sciences*, 14 (4), pp. 533-545. DOI: 10.18576/JSAP/140402, Q3 Scopus, SJR 0.23.
8. Burova, I.G. Continuous local splines of the fourth order of approximation and boundary value problem (2020) *International Journal of Circuits, Systems and Signal Processing*, 14, pp. 440-450. Цитировано 3 раз. DOI: 10.46300/9106.2020.14.59, Q4 Scopus, SJR 0.16, OPEN ACCESS: All Open Access, Bronze.
9. Burova, I.G. Approximations of the sixth order with the polynomial and non-polynomial splines and variational-difference method (2020) *International Journal of Mechanics*, 14, pp. 62-71. Q3 Scopus SJR 0.22.
10. Dem'yanovich, Y.K., Burova, I.G. Spaces of the Haar type on arbitrary irregular grids (2020) *WSEAS Transactions on Systems and Control*, 15, pp. 592-600. DOI: 10.37394/23203.2020.15.59, Q4 Scopus, SJR 0.17, OPEN ACCESS: All Open Access, Bronze
11. Burova, I.G., Muzafarova, E.F. Approximations with polynomial, trigonometric, exponential splines of the third order and boundary value problem (2020) *International Journal of Circuits, Systems and Signal Processing*, 14, pp. 460-473. Цитировано 3 раз. DOI: 10.46300/9106.2020.14.61, Q4 Scopus, SJR 0.16, OPEN ACCESS: All Open Access, Bronze.
12. Burova, I.G., Muzafarova, E.F. Narbutovskikh, I.I. Approximation by the third-order splines on uniform and non-uniform grids and image processing (2020) *WSEAS Transactions on Mathematics*, 19, pp. 65-73. Цитировано 3 раз. DOI: 10.37394/23206.2020.19.7, Q4 Scopus, SJR 0.21, OPEN ACCESS: All Open Access, Bronze

13. Burova, I.G., Domnin, N.S. On the solution of the fredholm equation with the use of quadratic integro-differential splines (2019) *Lecture Notes in Electrical Engineering*, 574, pp. 35-41. Цитирован(ы) 1 раз. DOI: 10.1007/978-3-030-21507-1_6, Q3 Scopus, SJR 0.14.
14. Burova, I.G., Muzafarova, E.F. Interval estimation using integro-differential splines of the third order of approximation (2019) *WSEAS Transactions on Mathematics*, 18, pp. 153-160. Цитировано 6 раз. DOI: 10.1109/MCSI.2017.54, Q3 Scopus, SJR 0.23.
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22. Burova, I.G., Muzafarova, E.F., Zhilin, D.E. About adaptive grids construction (2018) *WSEAS Transactions on Mathematics*, 17, pp. 340-351. Цитировано 3 раз. Q3 Scopus, SJR 0.23, <https://wseas.org/wseas/cms.action?id=4051>
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