

**Общ списък с цитирания
на публикации на Емилия Григорова Бажлекова**

конкурс за професор
в област на висше образование: 4. Природни науки, математика и информатика,
професионално направление: 4.5. Математика,
научна специалност: „Математически анализ“ (Приложения на дробното смятане),
обявен от ИМИ-БАН в Държавен вестник бр. 43 от 17.05.2024г. (стр.46)

Статистика съгласно различните бази от данни:

Scopus (Bazhlekova, Emilia; ID 6507427736):

44 публикации; 575 цитирания (464 изключвайки автоцитирания)

цитиращи публикации: 416

h=13 (изключвайки автоцитирания: **h=12**)

Web of Science:

42 публикации; 500 цитирания (400 изключвайки автоцитирания)

цитиращи публикации: 377 (изключвайки автоцитирания: 346)

h=13

Google Scholar:

60 публикации; над 1900 цитирания; h=17

<https://scholar.google.com/citations?user=S1V5wscAAAAJ&hl=en>

Справка от системата Sonix на ИМИ-БАН за цитиранията на кандидата:

Брой цитирани публикации: 45	Брой цитиращи източници: 872	Коригиран брой: 872.000
------------------------------	------------------------------	-------------------------

1998

1. **Bazhlekova, E.** The abstract Cauchy problem for fractional evolution equation.. Fract. Calc. Appl. Anal., 1, 3, 1998, ISSN:1311-0454, 255-270 (**x**)

Цитира се в:

- Gorenflo, R., A.A. Kilbas, F. Mainardi, S. V. Rogosin. "Mittag-Leffler Functions: Related Topics and Applications." Springer Monographs in Mathematics, 2014., @2014 1.000
- Stenlund, H. "On Solving the Cauchy Problem with Propagators." arXiv:1411.1402 (2014). , @2014 1.000
- Umarov, Sabir. "Fractional order Fokker-Planck-Kolmogorov equations and associated stochastic processes." Introduction to Fractional and Pseudo-Differential Equations with Singular Symbols. Springer International Publishing, 2015. 285-344., @2015 1.000
- Umarov, Sabir. "Initial and boundary value problems for fractional order differential equations." Introduction to Fractional and Pseudo-Differential Equations with Singular Symbols. Springer International Publishing, 2015. 207-247., @2015 1.000
- Dang DT, E Nane, DM Nguyen, NH Tuan, Continuity of solutions of a class of fractional equations, arXiv preprint arXiv:1611.03581, 2016, @2016 1.000
- Emamirad H., Rougirel A., Solution operators of three time variables for fractional linear problems, Math. Meth. Appl. Sci. 2016, DOI: 10.1002/mma.4079, @2016 1.000
- Keyantuo, Valentin, Carlos Lizama, and Mahamadi Warma. "Existence, regularity and representation of solutions of time fractional diffusion equations." Advances in Differential Equations 21.9/10 (2016): 837-886., @2016 1.000
- M. Japundzic, D. Rajter-Ciric, Generalized uniformly continuous solution operators and inhomogeneous fractional evolution equations with variable coefficients Proceedings of ICFDA'16, Novi Sad, Serbia, Serbian Society of Mechanics and Faculty of Technical Sciences Novi Sad, 2016, ISBN:ISBN 978-86-7892-830, pp. 742-744, @2016 1.000

9. ABADIAS, LUCIANO, EDGARDO ALVAREZ, and CARLOS LIZAMA. "REGULARITY PROPERTIES OF MILD SOLUTIONS FOR A CLASS OF VOLTERRA EQUATION WITH CRITICAL NONLINEARITIES." J. Integral Equations Applications, to appear (2017)., @2017 [Линк](#) 1.000
 10. D'Ovidio, Mirko, and Federico Polito. "Fractional diffusion-telegraph equations and their associated stochastic solutions." Теория вероятностей и ее применения 62.4 (2017): 692-718., @2017
 11. Emamirad, Hassan, and Arnaud Rougirel. "Solution operators of three time variables for fractional linear problems." Mathematical Methods in the Applied Sciences 40.5 (2017): 1553-1572., @2017
 12. Emamirad, Hassan, Arnaud Rougirel. TIME FRACTIONAL LINEAR PROBLEMS ON $L^2(\mathbb{R}^d)$. 2017. <hal-01492949> , @2017 [Линк](#) 1.000
 13. Hernández-Hernández, M. E., Vasilii Nikitich Kolokoltsov, and L. Toniazzi. "Generalised fractional evolution equations of Caputo type." Chaos, Solitons & Fractals 102 (2017): 184-196., @2017
 14. Japundžić, Miloš, and Danijela Rajter-Ćirić. "Approximate solutions of time and time-space fractional wave equations with variable coefficients." Applicable Analysis (2017): 1-26., @2017
 15. JAPUNDŽIC, MILOŠ, and Danijela Rajter-Ciric. "Generalized uniformly continuous solution operators and inhomogeneous fractional evolution equations with variable coefficients." Electronic Journal of Differential Equations 2017.293 (2017): 1-24., @2017
 16. Abadias, L., Alvarez, E., Lizama, C. Regularity properties of mild solutions for a class of volterra equations with critical nonlinearities (2018) Journal of Integral Equations and Applications, 30 (2), pp. 219-256., @2018 [Линк](#) (x) 1.000
 17. Dang, D.T., Nane, E., Nguyen, D.M., Tuan, N.H. Continuity of Solutions of a Class of Fractional Equations (2018) Potential Analysis, 49 (3), pp. 423-478., @2018 [Линк](#) (x) 1.000
 18. Diagana, Toka. "Semilinear Evolution Equations and Their Applications." Springer (2018)., @2018 [Линк](#) (x) 1.000
 19. D'ovidio, M., Polito, F. Fractional diffusion–telegraph equations and their associated stochastic solutions (2018) Theory of Probability and its Applications, 62 (4), pp. 552-574., @2018 [Линк](#) (x) 1.000
 20. Emamirad, H., Rougirel, A. Time fractional linear problems on $L^2(\mathbb{R}^d)$ (2018) Bulletin des Sciences Mathématiques, 144, pp. 1-38., @2018 [Линк](#) (x) 1.000
 21. Japundžić, M., Rajter-Ćirić, D. Approximate solutions of time and time-space fractional wave equations with variable coefficients (2018) Applicable Analysis, 97 (9), pp. 1565-1590., @2018 [Линк](#) (x) 1.000
 22. Umarov, S., Hahn, M., Kobayashi, K. Beyond the triangle: Brownian motion, ito calculus, and Fokker-Planck equation - fractional generalizations (2018) Beyond The Triangle: Brownian Motion, Ito Calculus, And Fokker-planck Equation - Fractional Generalizations, pp. 1-177., @2018 [Линк](#) (x) 1.000
 23. Zhou, H.-C., Guo, B.-Z. Boundary feedback stabilization for an unstable time fractional reaction diffusion equation (2018) SIAM Journal on Control and Optimization, 56 (1), pp. 75-101., @2018 [Линк](#) (x) 1.000
 24. Zhou, Y., He, J.W., Ahmad, B., Alsaedi, A. Existence and Attractivity for Fractional Evolution Equations (2018) Discrete Dynamics in Nature and Society, 2018, art. no. 1070713, ., @2018 [Линк](#) (x) 1.000
2. **Bazhlekova, E.** Duhamel-type representation of the solutions of nonlocal boundary value problems for the fractional diffusion-wave equation. Proc. of the 2nd Int. Workshop TMSF'1996, 1998
- Цитирана се е:
25. Luo, H., Li, B., Xie, X. Convergence Analysis of a Petrov–Galerkin Method for Fractional Wave Problems with Nonsmooth Data (2019) Journal of Scientific Computing, 80 (2), pp. 957-992. DOI: 10.1007/s10915-019-00962-x, @2019 [Линк](#) 1.000
 26. Mamchuev, M.O., Mamchuev, A.M. Fourier Problem for Fractional Diffusion–Wave Equation. Lobachevskii J Math 44, 620–628 (2023)., @2023 [Линк](#) 1.000

1999

3. **Bazhlekova, E..** Perturbation properties for abstract evolution equations of fractional order. Fract. Calc. Appl. Anal., 2, 4, 1999, ISSN:1311-0454, 359-366 (x)
- Цитирана се е:
27. Gorenflo, R., A.A. Kilbas, F. Mainardi, S. V. Rogosin. "Mittag-Leffler Functions: Related Topics and Applications." Springer Monographs in Mathematics, 2014., @2014 1.000

2000

4. **Bazhlekova, E..** Perturbation and approximation properties for abstract evolution equations of fractional order. RANA, Report 00-05, Technische Universiteit Eindhoven, 2000 (x)
- Цитирана се е:

28. Abadias, L., P. J. Miana. (2015) Hermite expansions of C_0 -groups and cosine functions. *Journal of Mathematical Analysis and Applications*, 426(1), 288-311., @2015 1.000
 29. Doungmo-Goufo, E. F., & Atangana, A. (2015). Extension of fragmentation process in a kinetic-diffusive-wave system. *Thermal Science*, 19(suppl. 1), 13-23., @2015 1.000
 30. Mugisha, S. "Applied Mathematical Modelling with New Parameters and Applications to Some Real Life Problems" PhD thesis, University of South Africa (2018), @2018 [Линк \(x\)](#) 1.000
5. **Bazhlekova, E.** Subordination principle for fractional evolution equations.. *Fract.Calc.Appl.Anal.*, 3, 3, 2000, ISSN:1311-0454, 213-230 (x)
- Цитира се е:
31. Doungmo Goufo, E.F. A Mathematical Analysis of Fractional Fragmentation Dynamics with Growth, *Journal of Function Spaces*, vol. 2014, Article ID 201520, 7 pages, 2014., @2014 1.000
 32. Doungmo Goufo, E.F., Maritz, R., Mugisha, S., Existence results for a Michaud fractional, nonlocal, and randomly position structured fragmentation model (2014) *Mathematical Problems in Engineering*, 2014, art. no. 361234., @2014 1.000
 33. Gorenflo, R., A.A. Kilbas, F. Mainardi, S. V. Rogosin. "Mittag-Leffler Functions: Related Topics and Applications." *Springer Monographs in Mathematics*, 2014, @2014 1.000
 34. Kochubei, A.N., Asymptotic properties of solutions of the fractional diffusion-wave equation (2014) *Fractional Calculus and Applied Analysis*, 17 (3), pp. 881-896., @2014 1.000
 35. Mijena, J.B., Nane, E., Strong analytic solutions of fractional cauchy problems (2014) *Proceedings of the American Mathematical Society*, 142 (5), pp. 1717-1731., @2014 1.000
 36. Abadias, L., Miana, P.J. A subordination principle on wright functions and regularized resolvent families (2015) *Journal of Function Spaces*, 2015, art. no. 158145,., @2015 1.000
 37. Doungmo Goufo, E.F., Atangana, A. Extension of fragmentation process in a kinetic-diffusive-wave system (2015) *Thermal Science*, 19, pp. 13-23., @2015 1.000
 38. Goufo, E.F.D., Mugisha, S. Positivity and contractivity in the dynamics of clusters' splitting with derivative of fractional order (2015) *Open Mathematics*, 13 (1), pp. 351-362, @2015 1.000
 39. Meerschaert, M.M., Schilling, R.L., Sikorskii, A. Stochastic solutions for fractional wave equations (2015) *Nonlinear Dynamics*, 80 (4), pp. 1685-1695., @2015 1.000
 40. Meerschaert, Mark M., and Bruno Toaldo. "Relaxation patterns and semi-Markov dynamics." *arXiv preprint arXiv:1506.02951* (2015)., @2015 1.000
 41. Reni Sagayaraj, M., Manoharan, P. A study on qualitative properties of stochastic difference equations and stability (2015) *Global Journal of Pure and Applied Mathematics*, 11 (5), pp. 3121-3127., @2015 1.000
 42. Zhang, Q.-G., Sun, H.-R. The blow-up and global existence of solutions of Cauchy problems for a time fractional diffusion equation (2015) *Topological Methods in Nonlinear Analysis*, 46 (1), pp. 69-92., @2015 1.000
 43. Bonaccorsi, Stefano, Mirko D'Ovidio, and Sonia Mazzucchi. "Probabilistic representation formula for the solution of fractional high order heat-type equations." *arXiv preprint arXiv:1611.03364* (2016)., @2016 1.000
 44. da Silva, José Luís, Anatoly N. Kochubei, and Yuri Kondratiev. "Fractional statistical dynamics and fractional kinetics." *arXiv preprint arXiv:1604.03816* (2016)., @2016 1.000
 45. Fan, Zhenbin, Qixiang Dong, and Gang Li. "Approximate controllability for semilinear composite fractional relaxation equations." *Fractional Calculus and Applied Analysis* 19.1 (2016): 267-284., @2016 1.000
 46. Goufo, Doungmo E.F., Kamga Pene, M., Mugisha, S. Stability analysis of epidemic models of Ebola hemorrhagic fever with non-linear transmission (2016) *Journal of Nonlinear Science and Applications*, 9 (6), pp. 4191-4205., @2016 1.000
 47. GOUFO, Emile Franc DOUNGMO. "Evolution equations with a parameter and application to transport-convection differential equations." *Turkish Journal of Mathematics* · January 2016, DOI: 10.3906/mat-1603-107, @2016 1.000
 48. Japundžić, Miloš. "Uopštena rešenja nekih klasa frakcionih parcijalnih diferencijalnih jednačina." (2016)., @2016 1.000
 49. Keyantuo, Valentin, Carlos Lizama, and Mahamadi Warma. "Existence, regularity and representation of solutions of time fractional diffusion equations." *Advances in Differential Equations* 21.9/10 (2016): 837-886., @2016 1.000
 50. Kochubei, Anatoly N., and Yuri Kondratiev. "Fractional kinetic hierarchies and intermittency." *arXiv preprint arXiv:1604.03807* (2016)., @2016 1.000
 51. Orsingher, E., Ricciuti, C., Toaldo, B. Time-Inhomogeneous Jump Processes and Variable Order Operators (2016) *Potential Analysis*, 45 (3), pp. 435-461., @2016 1.000
 52. Capitanelli, Raffaella, and Mirko D'Ovidio. "Fractional equations via convergence of forms." *arXiv preprint arXiv:1710.01147* (2017)., @2017 1.000
 53. D'Ovidio, Mirko, and Federico Polito. "Fractional diffusion-telegraph equations and their associated stochastic solutions." *Теория вероятностей и ее применения* 62.4 (2017): 692-718., @2017 1.000
 54. Goufo, Emile Franc Doungmo. "Evolution equations with a parameter and application to transport-convection differential equations." *Turkish Journal of Mathematics* 41.3 (2017): 636-654., @2017 1.000
 55. Lian, Tingting, Zhenbin Fan, and Gang Li. "Lagrange optimal controls and time optimal controls for composite fractional relaxation systems." *Advances in Difference Equations* 2017.1 (2017): 233., @2017 1.000

56. Lizama, Carlos. "The Poisson distribution, abstract fractional difference equations, and stability." *Proceedings of the American Mathematical Society* 145.9 (2017): 3809-3827., @2017 1.000
57. Abadias, Luciano, and Edgardo Álvarez. "Uniform stability for fractional Cauchy problems and applications." *Topological Methods in Nonlinear Analysis* (2018). doi:10.12775/TMNA.2018.038, @2018 [Линк \(x\)](#) 1.000
58. Capitanelli, Raffaella, and Mirko D'Ovidio. "Delayed and rushed motions through time change." *arXiv preprint arXiv:1809.03818* (2018)., @2018 [Линк \(x\)](#) 1.000
59. Da Silva, J.L., Kondratiev, Y., Tkachov, P. Fractional kinetics in a spatial ecology model (2018) *Methods of Functional Analysis and Topology*, 24 (3), pp. 275-287., @2018 [Линк \(x\)](#) 1.000
60. Diagana, Toka. "Semilinear Evolution Equations and Their Applications." Springer (2018)., @2018 [Линк \(x\)](#) 1.000
61. Doungmo Goufo, E.F., Mugisha, S. Complex harmonic poles in the evolution of macromolecules depolymerization (2018) *Journal of Computational Analysis and Applications*, 25 (8), pp. 1490-1503., @2018 [Линк \(x\)](#) 1.000
62. Dzharafarov, R.M. & Krasnoschek, The Cauchy Problem for the Fractional Diffusion Equation in a Weighted Hölder Space, N.V. *Sib Math J* 59.6 (2018) 1034–1050, @2018 [Линк \(x\)](#) 1.000
63. D'ovidio, M., Polito, F. Fractional diffusion–telegraph equations and their associated stochastic solutions (2018) *Theory of Probability and its Applications*, 62 (4), pp. 552-574., @2018 [Линк \(x\)](#) 1.000
64. Fitouhi, A., Jebabli, I., Shishkina, E.L., Sitnik, S.M. Applications of the integral transforms composition method to wave-type singular differential equations and index shift transmutations (2018) *Electronic Journal of Differential Equations*, 2018, art. no. 130, ., @2018 [Линк \(x\)](#) 1.000
65. Gautam, G.R., Dabas, J. A study on existence of solutions for fractional functional differential equations (2018) *Collectanea Mathematica*, 69 (1), pp. 25-37., @2018 [Линк \(x\)](#) 1.000
66. Katrakhov, V. V., and S. M. Sitnik. "The Transmutation Method and Boundary-Value Problems for Singular Differential Equations." *arXiv preprint arXiv:1809.10887* (2018)., @2018 [Линк \(x\)](#) 1.000
67. Kochubei, Anatoly N., Yuri Kondratiev, and José Luís da Silva. "From Random Times to Fractional Kinetics." *arXiv preprint arXiv:1811.10531* (2018)., @2018 [Линк \(x\)](#) 1.000
68. Luchko, Yu. "Subordination principles for the multi-dimensional space-time-fractional diffusion-wave equation". *Theory of Probability and Mathematical Statistics*, 98 (2018) 121-141, @2018 [Линк \(x\)](#) 1.000
69. Meerschaert, M.M., Toaldo, B. Relaxation patterns and semi-Markov dynamics (2018) *Stochastic Processes and their Applications*, DOI: 10.1016/j.spa.2018.08.004, @2018 [Линк \(x\)](#) 1.000
70. Mugisha, S. "Applied Mathematical Modelling with New Parameters and Applications to Some Real Life Problems" PhD thesis, University of South Africa (2018), @2018 [Линк \(x\)](#) 1.000
71. Nabti, A. Life span of blowing-up solutions to the Cauchy problem for a time–space fractional diffusion equation (2018) *Computers and Mathematics with Applications*, DOI: 10.1016/j.camwa.2018.10.034, @2018 [Линк \(x\)](#) 1.000
72. Savov, Mladen, and Bruno Toaldo. "Semi-Markov processes, integro-differential equations and anomalous diffusion-aggregation." *arXiv preprint arXiv:1807.07060* (2018)., @2018 [Линк \(x\)](#) 1.000
73. Umarov, S., Hahn, M., Kobayashi, K. "Beyond The Triangle: Brownian Motion, Ito Calculus, And Fokker-Planck Equation - Fractional Generalizations". 2018, pp. 1-177., @2018 [Линк \(x\)](#) 1.000
74. Катрахов, Валерий Вячеславович, and Сергей Михайлович Ситник. "Метод операторов преобразования и краевые задачи для сингулярных эллиптических уравнений." *Современная математика. Фундаментальные направления* 64.2 (2018): 211-426., @2018 [Линк \(x\)](#) 1.000

2001

6. Bajlekova, E.. Fractional evolution equations in Banach spaces. Technische Universiteit Eindhoven, Eindhoven, The Netherlands, 2001, DOI:10.6100/IR549476, 107 (x)

Цитируе се:

75. Alvarez-Pardo, E., Lizama, C. Mild solutions for multi-term time-fractional differential equations with nonlocal initial conditions (2014) *Electronic Journal of Differential Equations*, 2014, art. no. 39. , @2014 1.000
76. Anh, C.T. , T.D. Ke. On nonlocal problems for retarded fractional differential equations in Banach spaces, *Fixed Point Theory* 15 (2014), No.2, 373-392., @2014 1.000
77. C. Chen, M. Kostic, M. Li, Complex powers of almost C-nonnegative operators, *Contemporary Analysis and Applied Mathematics*, Vol.2, No.1, 1-77, 2014, @2014 1.000
78. Chadha, A., Pandey, D.N. Existence results for an impulsive neutral fractional integrodifferential equation with infinite delay (2014) *International Journal of Differential Equations*, 2014, art. no. 780636 ., @2014 1.000
79. Chen, C., Kostić, M., Li, M., Representation of complex powers of C-sectorial operators (2014) *Fractional Calculus and Applied Analysis*, 17 (3), pp. 827-854., @2014 1.000
80. Chuong, N.M., Ke, T.D., Quan, N.N. Stability for a class of fractional partial integro-differential equations (2014) *Journal of Integral Equations and Applications*, 26 (2), pp. 145-170. , @2014 1.000

81. Dai, H., H. Zhang. Exponential growth for wave equation with fractional boundary dissipation and boundary source term. *Boundary Value Problems* 2014.1 (2014): 1-8., @2014 1.000
82. Dhanapalan, V., M. Thamilselvan, M. Chandrasekaran. Nonlocal fractional semilinear integrodifferential equations in separable Banach spaces. *American Journal of Applied Mathematics* 2.2 (2014): 60-63., @2014 1.000
83. Dubey, S., Sharma, M. Solutions to fractional functional differential equations with nonlocal conditions (2014) *Fractional Calculus and Applied Analysis*, 17 (3), pp. 654-673., @2014 1.000
84. Eivani, S.. "Mild Solution to Fractional Boundary Value Problem with Nonlinear Boundary Conditions." *Journal of mathematics and computer science* 13 (2014), 257-280 , @2014 1.000
85. Fadili, A., Bounit, H. On the complex inversion formula and admissibility for a class of Volterra systems (2014) *International Journal of Differential Equations*, 2014, art. no. 948597, ., @2014 1.000
86. Fan, Z. Characterization of compactness for resolvents and its applications (2014) *Applied Mathematics and Computation*, 232, pp. 60-67., @2014 1.000
87. Fan, Z. Existence and regularity of solutions for evolution equations with Riemann-Liouville fractional derivatives (2014) *Indagationes Mathematicae*, 25 (3), pp. 516-524., @2014 1.000
88. Gu, H., J.J. Trujillo. Existence of mild solution for evolution equation with Hilfer fractional derivative, *Applied Mathematics and Computation* (2014). doi:10.1016/j.amc.2014.10.083, @2014 1.000
89. Jia, J., Peng, J., Li, K. Well-posedness of abstract distributed-order fractional diffusion equations (2014) *Communications on Pure and Applied Analysis*, 13 (2), pp. 605-621. , @2014 1.000
90. Ke, T.D., Lan, D. Decay integral solutions for a class of impulsive fractional differential equations in Banach spaces(2014) *Fractional Calculus and Applied Analysis*, 17 (1), pp. 96-121., @2014 1.000
91. Kolokoltsov, V., M. Veretennikova. "Well-posedness and regularity of the Cauchy problem for nonlinear fractional in time and space equations." *arXiv preprint arXiv:1402.6735* (2014)., @2014 1.000
92. Kostić, M. Abstract differential operators generating fractional resolvent families. *Acta Mathematica Sinica, English Series* 30.11 (2014): 1989-1998., @2014 1.000
93. Kostić, M. Abstract Volterra integro-differential equations: Approximation and convergence of resolvent operator families(2014) *Numerical Functional Analysis and Optimization*, 35 (12), pp. 1579-1606. , @2014 1.000
94. Kostić, M. Generalized well-posedness of hyperbolic volterra equations of non-scalar type (2014) *Annals of the Academy of Romanian Scientists: Series on Mathematics and its Applications*, 6 (1), pp. 21-49. , @2014 1.000
95. Kostić, M. Systems of abstract time-fractional equations (2014) *Publications de l'Institut Mathématique*, 95 (109), pp. 119-132., @2014 1.000
96. Kumar P., D.N. Pandey, D. Bahuguna, Impulsive boundary value problems for fractional differential equations with deviating arguments, ." *Journal of Fractional Calculus and Applications* 5.1 (2014): 146-155., @2014 1.000
97. Li, C.-G., Kostic, M., Li, M. Abstract multi-term fractional differential equations (2014) *Kragujevac Journal of Mathematics*, 38 (1), pp. 51-71. , @2014 1.000
98. Li, K., P. Jigen. Controllability of fractional neutral stochastic functional differential systems. (2013) *Zeitschrift für angewandte Mathematik und Physik*: 2014, Volume 65(5) pp 941-959 , @2014 1.000
99. Li, Kexue. Fractional order semilinear Volterra integrodifferential equations in Banach spaces. *arXiv preprint arXiv:1406.3995* (2014)., @2014 1.000
100. Li, Kexue. Stochastic delay fractional evolution equations driven by fractional Brownian motion. *Mathematical Methods in the Applied Sciences* (2014). DOI: 10.1002/mma.3169, @2014 1.000
101. Li, Y.-N., Sun, H.-R. Integrated fractional resolvent operator function and fractional abstract cauchy problem (2014) *Abstract and Applied Analysis*, 2014, art. no. 430418, . , @2014 1.000
102. Li, Ya-Ning, Hong-Rui Sun. "Regularity of mild solutions to fractional Cauchy problems with Riemann-Liouville fractional derivative." *Electronic Journal of Differential Equations*, 2014, no. 184 (2014): 1-13., @2014 1.000
103. Liu, R., Li, M., Pastor, J., Piskarev, S.I. On the approximation of fractional resolution families (2014) *Differential Equations*, 50 (7), pp. 927-937. , @2014 1.000
104. Liu, X., Liu, Z., Bin, M. The solvability and optimal controls for some fractional impulsive equations of order $1 < \alpha \leq 2$ (2014) *Abstract and Applied Analysis*, 2014, art. no. 142067 . , @2014 1.000
105. Meerschaert M.M., R.L. Schilling, A. Sikorskii, Stochastic solutions for fractional wave equations, *Nonlinear Dynamics*, 2014, DOI 10.1007/s11071-014-1299-z, @2014 1.000
106. Mei, Z.-D., Peng, J.-G. Riemann-Liouville abstract fractional Cauchy problem with damping (2014) *Indagationes Mathematicae*, 25 (1), pp. 145-161. , @2014 1.000
107. Mei, Z.-D., Peng, J.-G., Gao, J.-H. Convolutional fractional C -semigroups and fractional abstract Cauchy problems (2014) *Abstract and Applied Analysis*, 2014, art. no. 357821 . , @2014 1.000
108. Mei, Z.-D., Peng, J.-G., Jia, J.-X. A new characteristic property of Mittag-Leffler functions and fractional cosine functions (2014) *Studia Mathematica*, 220 (2), pp. 119-140. , @2014 1.000
109. Nadeem, M., J. Dabas, Controllability result of impulsive stochastic fractional functional differential equation with infinite delay. *Int. J. Adv. Appl. Math. and Mech* 2.1 (2014): 9-18., @2014 1.000
110. Poblete, V., Pozo, J.C. Periodic solutions of a fractional neutral equation with finite delay (2014) *Journal of Evolution Equations*, 14 (2), pp. 417-444. , @2014 1.000

111. Shu, X.-B., Xu, F. Upper and lower solution method for fractional evolution equations with order $1 < \alpha < 2$ (2014) Journal of the Korean Mathematical Society, 51 (6), pp. 1123-1139. , @2014 1.000
112. Wang, J.R., A.G. Ibrahim, M. Fečkan. Nonlocal impulsive fractional differential inclusions with fractional sectorial operators on Banach spaces. Applied Mathematics and Computation (2014). doi:10.1016/j.amc.2014.04.093, @2014 1.000
113. Xia, Z. Asymptotically periodic solutions of semilinear fractional integro-differential equations (2014) Advances in Difference Equations, 2014 (1), art. no. 9., @2014 1.000
114. Xia, Z. Weighted Stepanov-like pseudoperiodicity and applications (2014) Abstract and Applied Analysis, 2014, art. no. 980869., @2014 1.000
115. Yang, X., Gu, H. Complete controllability for fractional evolution equations (2014) Abstract and Applied Analysis, 2014, art. no. 730695., @2014 1.000
116. Abadias, L., Lizama, C., & Miana, P. J. (2015). Sharp extensions and algebraic properties for solution families of vector-valued differential equations. arXiv preprint arXiv:1505.02995., @2015 1.000
117. Abadias, L., Miana, P.J. A subordination principle on wright functions and regularized resolvent families (2015) Journal of Function Spaces, 2015, art. no. 158145, ., @2015 1.000
118. Agarwal, Ravi P., Vasile Lupulescu, and Donal O'Regan. "Weak solutions for fractional differential equations in nonreflexive Banach spaces via Riemann-Pettis integrals." Mathematische Nachrichten (2015). DOI: 10.1002/mana.201400010, @2015 1.000
119. Alvarez-Pardo, E., Lizama, C. Weighted pseudo almost automorphic mild solutions for two-term fractional order differential equations (2015) Applied Mathematics and Computation, 271, art. no. 21656, pp. 154-167., @2015 1.000
120. Andrade, F., Cuevas, C., Silva, C., Soto, H. Asymptotic periodicity for hyperbolic evolution equations and applications (2015) Applied Mathematics and Computation, 269, art. no. 21448, pp. 169-195., @2015 1.000
121. Balasubramaniam, P., Tamilalagan, P. Approximate controllability of a class of fractional neutral stochastic integro-differential inclusions with infinite delay by using Mainardi's function (2015) Applied Mathematics and Computation, 256, pp. 232-246., @2015 1.000
122. Bounit, H., Fadili, A. Favard spaces and admissibility for volterra systems with scalar kernel (2015) Electronic Journal of Differential Equations, 2015, 13 p., @2015 1.000
123. CHADHA, A., & PANDEY, D. N. (2015). EXISTENCE OF A MILD SOLUTION FOR AN IMPULSIVE NEUTRAL FRACTIONAL INTEGRO-DIFFERENTIAL EQUATION WITH NONLOCAL CONDITIONS. Journal of Fractional Calculus and Applications, 6(1), 5-20., @2015 1.000
124. Chadha, A., & Pandey, D. N. (2015). Existence results for an impulsive neutral stochastic fractional integro-differential equation with infinite delay. Nonlinear Analysis: Theory, Methods & Applications, 128, 149-175., @2015 1.000
125. Chadha, A., Pandey, D.N. Existence of mild solutions for a fractional equation with state-dependent delay via resolvent operators (2015) Nonlinear Studies, 22 (1), pp. 71-85., @2015 1.000
126. Chen, P., Li, Y., Zhang, X. On the initial value problem of fractional stochastic evolution equations in Hilbert spaces (2015) Communications on Pure and Applied Analysis, 14 (5), pp. 1817-1840., @2015 1.000
127. de Andrade, B., Carvalho, A.N., Carvalho-Neto, P.M., Marín-Rubio, P. Semilinear fractional differential equations: Global solutions, critical nonlinearities and comparison results (2015) Topological Methods in Nonlinear Analysis, 45 (2), pp. 439-467., @2015 1.000
128. Fedorov, V. E., Gordievskikh, D. M., & Plekhanova, M. V. (2015). Equations in Banach spaces with a degenerate operator under a fractional derivative. Differential Equations, 51(10), 1360-1368., @2015 1.000
129. Fedorov, V.E., Gordievskikh, D.M. Resolving operators of degenerate evolution equations with fractional derivative with respect to time (2015) Russian Mathematics, 59 (1), pp. 60-70., @2015 1.000
130. Fujishiro, K. (2015). Non-homogeneous boundary value problems for fractional diffusion equations in L^2 -setting. arXiv preprint arXiv:1501.01483., @2015 1.000
131. Gorenflo, R., Luchko, Y., Yamamoto, M. Time-fractional diffusion equation in the fractional Sobolev spaces (2015) Fractional Calculus and Applied Analysis, 18 (3), pp. 799-820., @2015 1.000
132. Gu, H., Trujillo, J.J. Existence of mild solution for evolution equation with Hilfer fractional derivative (2015) Applied Mathematics and Computation, 257, pp. 344-354., @2015 1.000
133. Guswanto, B. H. (2015). On the Properties of Solution Operators of Fractional Evolution Equations. Journal of Fractional Calculus and Applications, 6(1), 131-159., @2015 1.000
134. He, B., Cao, J., Yang, B. Weighted Stepanov-like pseudo-almost automorphic mild solutions for semilinear fractional differential equations (2015) Advances in Difference Equations, 2015 (1), pp. 1-36., @2015 1.000
135. Kostić, M. D-hypercyclic and D-topologically mixing properties of degenerate multi-term fractional differential equations (2015) Azerbaijan Journal of Mathematics, 5 (2), pp. 78-95., @2015 1.000
136. Kostić, M., Degenerate k-regularized (C_1, C_2) -existence and uniqueness families, CUBO A Mathematical Journal, 17 (3) 2015 pp.15-41, @2015 1.000
137. Li, K. Stochastic delay fractional evolution equations driven by fractional Brownian motion (2015) Mathematical Methods in the Applied Sciences, 38 (8), pp. 1582-1591., @2015 1.000
138. Li, Y. (2015). Regularity of mild Solutions for fractional abstract Cauchy problem with order $\{\alpha\} \in (1, 2]$. Zeitschrift für angewandte Mathematik und Physik, Volume 66(6) pp 3283-3298, @2015 1.000
139. Liu, R., Li, M., Piskarev, S. Approximation of semilinear fractional Cauchy problem (2015) Computational Methods in Applied Mathematics, 15 (2), pp. 203-212., @2015 1.000
140. Liu, R., Li, M., Piskarev, S.I. Stability of difference schemes for fractional equations (2015) Differential Equations, 51 (7), pp. 904-924., @2015 1.000

141. Mahmudov, N. I., Vijayakumar, V., Ravichandran, C., & Murugesu, R. (2015). Approximate controllability results for fractional semilinear integro-differential inclusions in Hilbert spaces. arXiv preprint arXiv:1502.00620., @2015 1.000
142. Meerschaert, M.M., Schilling, R.L., Sikorskii, A. Stochastic solutions for fractional wave equations (2015) Nonlinear Dynamics, 80 (4), pp. 1685-1695., @2015 1.000
143. Meghnaifi, M., Benchohra, M. and Aissani, K., 2015. Impulsive fractional evolution equations with state-dependent delay. Nonlinear Studies, 22(4), p. 659-671, @2015 [Линк](#) 1.000
144. Mei, Z. D., & Peng, J. G. (2015). Existence of mild solutions for Riemann-Liouville fractional differential equations with nonlocal conditions. arXiv preprint arXiv:1507.08540., @2015 1.000
145. Mei, Z. D., & Peng, J. G. (2015). Riemann-Liouville Fractional Cosine Functions. arXiv preprint arXiv:1505.01388., @2015 1.000
146. Mei, Z.-D., Peng, J.-G. A class of abstract fractional relaxation equations (2015) Applicable Analysis, 94 (12), pp. 2397-2417., @2015 1.000
147. Mei, Z.-D., Peng, J.-G., Gao, J.-H. Existence and uniqueness of solutions for nonlinear general fractional differential equations in Banach spaces (2015) Indagationes Mathematicae, 26 (4), pp. 669-678., @2015 1.000
148. Mei, Z.-D., Peng, J.-G., Zhang, Y. An operator theoretical approach to Riemann-Liouville fractional Cauchy problem (2015) Mathematische Nachrichten, 288 (7), pp. 797-784., @2015 1.000
149. Mu, Y. Y., & Li, M. (2015). Generation theorems for fractional resolvent families. Contemporary Analysis and Applied Mathematics, 3(1), @2015 1.000
150. Mur, T., Henriquez, H.R. Relative controllability of linear systems of fractional order with delay (2015) Mathematical Control and Related Fields, 5 (4), pp. 845-858., @2015 1.000
151. Punitha, M., Santha, A. Existence results for mixed fractional integrodifferential equations in Banach spaces with impulsive and nonlocal conditions (2015) International Journal of Applied Engineering Research, 10 (12), pp. 30969-30983., @2015 1.000
152. Ravichandran, C., Dhanalakshmi, S., Murugesu, R. Existence of solutions for fractional partial neutral integro-differential equations of Sobolev type in Banach spaces (2015) Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis, 22 (2), pp. 105-121., @2015 1.000
153. Straka, P. (2015). Kolmogorov forward and backward equations for scaling limits of continuous time random walks. arXiv preprint arXiv:1501.00533., @2015 1.000
154. Sudsutad, W., Ntouyas, S. K., & Tariboon, J. (2015). Systems of fractional Langevin equations of Riemann-Liouville and Hadamard types. Advances in Difference Equations, 2015(1), 1-24., @2015 1.000
155. Suganya, S., Mallika Arjunan, M., Trujillo, J.J. Existence results for an impulsive fractional integro-differential equation with state-dependent delay (2015) Applied Mathematics and Computation, 266, pp. 54-69., @2015 1.000
156. Tang, Q., Ma, Q. Variational formulation and optimal control of fractional diffusion equations with Caputo derivatives (2015) Advances in Difference Equations, 2015 (1), art. no. 283, 14 p., @2015 1.000
157. Umarov, S. (2015). Introduction to Fractional and Pseudo-Differential Equations with Singular Symbols. ISBN: 978-3-319-20770-4 (Print) 978-3-319-20771-1 (Online), @2015 1.000
158. Wang, J., Ibrahim, A.G., Fečkan, M. Nonlocal Cauchy problems for semilinear differential inclusions with fractional order in Banach spaces (2015) Communications in Nonlinear Science and Numerical Simulation, 27 (1-3), pp. 281-293., @2015 1.000
159. Wang, J., Ibrahim, A.G., Fečkan, M. Nonlocal impulsive fractional differential inclusions with fractional sectorial operators on Banach spaces (2015) Applied Mathematics and Computation, 257, pp. 103-118., @2015 1.000
160. Wang, X., & Shu, X. (2015). The existence of positive mild solutions for fractional differential evolution equations with nonlocal conditions of order $1 < \alpha < 2$. Advances in Difference Equations, December 2015, 2015:159, @2015 1.000
161. Xia, Z. Pseudo asymptotic behavior of mild solution for semilinear fractional integro-differential equations (2015) Miskolc Mathematical Notes, 16 (1), pp. 553-563., @2015 1.000
162. Xie, R., & Zhang, C. (2015). Criteria of asymptotic ω -periodicity and their applications in a class of fractional differential equations. Advances in Difference Equations, 2015(1), 1-20., @2015 1.000
163. В. Е. Федоров, Д. М. Гордиевских, "Разрешающие операторы вырожденных эволюционных уравнений с дробной производной по времени", Изв. вузов. Матем., 2015, № 1, 71–83, @2015 1.000
164. Гордиевских Дмитрий Михайлович, ИССЛЕДОВАНИЕ РАЗРЕШИМОСТИ ВЫРОЖДЕННЫХ ЭВОЛЮЦИОННЫХ УРАВНЕНИЙ ДРОБНОГО ПОРЯДКА, Диссертация на соискание ученой степени кандидата физико-математических наук, ЧЕЛЯБИНСК — 2015, @2015 1.000
165. Abadias, L., Lizama, C., Miana, P. J., & Velasco, M. P. (2016). On well-posedness of vector-valued fractional differential-difference equations. arXiv preprint arXiv:1606.05237., @2016 1.000
166. Abadias, Luciano, Carlos Lizama, and Pedro J. Miana. "Sharp extensions and algebraic properties for solution families of vector-valued differential equations." Banach Journal of Mathematical Analysis 10.1 (2016): 169-208., @2016 1.000
167. Agarwal, Ravi P., Vasile Lupulescu, and Donal O'Regan. "Weak solutions for fractional differential equations in nonreflexive Banach spaces via Riemann-Pettis integrals." Mathematische Nachrichten 289.4 (2016): 395-409., @2016 1.000
168. Baeumer, B., Kovács, M., Meerschaert, M.M., Schilling, R.L., Straka, P. Reflected spectrally negative stable processes and their governing equations (2016) Transactions of the American Mathematical Society, 368 (1), pp. 227-248., @2016 1.000
169. Cao, J., Luo, Y., Liu, G. Some results for impulsive fractional differential inclusions with infinite delay and sectorial operators in Banach spaces (2016) Applied Mathematics and Computation, 273, pp. 237-257., @2016 1.000

170. Chen, C., & Li, M. (2016). Characterizations of domains of fractional powers for non-negative operators. *Journal of Mathematical Analysis and Applications*. Volume 435, Issue 1, 1 March 2016, Pages 179–209, @2016 1.000
171. Chen, Pengyu, Xuping Zhang, and Yongxiang Li. "Nonlocal problem for fractional stochastic evolution equations with solution operators." *Fractional Calculus and Applied Analysis* 19.6 (2016): 1507-1526., @2016 1.000
172. da Silva, José Luís, Anatoly N. Kochubei, and Yuri Kondratiev. "Fractional statistical dynamics and fractional kinetics." *arXiv preprint arXiv:1604.03816* (2016)., @2016 1.000
173. Fedorov, V. E., E. A. Romanova, A. Debbouche, "Analytic in a sector resolving families of operators for degenerate evolution equations of a fractional order", *Sib. J. Pure and Appl. Math.*, 16:2 (2016), 93–107, @2016 [Линк](#) 1.000
174. Fedorov, V.E., Nazhimov, R.R. and Gordievskikh, D.M., 2016, August. Initial value problem for a class of fractional order inhomogeneous equations in Banach spaces. In *INTERNATIONAL CONFERENCE ON ANALYSIS AND APPLIED MATHEMATICS (ICAAM 2016)* (Vol. 1759, No. 1, p. 020008). AIP Publishing., @2016 1.000
175. Japundžić, M., D. Rajter-Ciric, Generalized uniformly continuous solution operators and inhomogeneous fractional evolution equations with variable coefficients *Proceedings of ICFDA'16*, Novi Sad, Serbia, Serbian Society of Mechanics and Faculty of Technical Sciences Novi Sad, 2016, ISBN:ISBN 978-86-7892-830, pp. 742-744, @2016 1.000
176. Japundžić, Miloš. "Uopštena rešenja nekih klasa frakcionih parcijalnih diferencijalnih jednačina." (2016)., @2016 1.000
177. Jia, J., Li, K. Maximum principles for a time–space fractional diffusion equation (2016) *Applied Mathematics Letters*, 62, pp. 23-28., @2016 1.000
178. Jin, Bangti, Buyang Li, and Zhi Zhou. "Discrete Maximal Regularity of Time-Stepping Schemes for Fractional Evolution Equations." *arXiv preprint arXiv:1606.07587* (2016)., @2016 1.000
179. Keyantuo, V., Warma, M. On the interior approximate controllability for fractional wave equations (2016) *Discrete and Continuous Dynamical Systems- Series A*, 36 (7), pp. 3719-3739., @2016 1.000
180. Keyantuo, Valentin, Carlos Lizama, and Mahamadi Warma. "Existence, regularity and representation of solutions of time fractional diffusion equations." *Advances in Differential Equations* 21.9/10 (2016): 837-886., @2016 1.000
181. Kochubei, Anatoly N., and Yuri Kondratiev. "Fractional kinetic hierarchies and intermittency." *arXiv preprint arXiv:1604.03807* (2016)., @2016 1.000
182. Kostić M. Fractional calculus models for fibrosis. Comment on "Towards a unified approach in the modeling of fibrosis: A review with research perspectives" by Martine Ben Amar and Carlo Bianca. *Physics of life reviews*. 2016 Apr 13., @2016 1.000
183. Kostić M., DEGENERATE MULTI-TERM FRACTIONAL DIFFERENTIAL EQUATIONS IN LOCALLY CONVEX SPACES, *PUBLICATIONS DE L'INSTITUT MATHÉMATIQUE Nouvelle série*, tome 100(114) (2016), 49–75, @2016 1.000
184. Kostić, M. Hypercyclic and Topologically Mixing Properties of Degenerate Multi-term Fractional Differential Equations (2016) *Differential Equations and Dynamical Systems*, 24 (4), pp. 475-498., @2016 1.000
185. Kostić, M. Some contributions to the theory of abstract degenerate volterra integro-differential equations (2016) *Journal of Mathematics and Statistics*, 12 (2), pp. 65-76., @2016 1.000
186. Kostic, M. "Some Contributions to the Theory of Abstract Degenerate Volterra Integro-Differential Equations." *J. Math. Stat* 12 (2016): 65-76., @2016 1.000
187. KOSTIC, M. "THE EXISTENCE OF DISTRIBUTIONAL CHAOS IN ABSTRACT DEGENERATE FRACTIONAL DIFFERENTIAL EQUATIONS." *Journal of Fractional Calculus and Applications* 7.2 (2016): 153-174., @2016 1.000
188. Kostic, M. "The existence of distributional chaos in abstract degenerate fractional differential equations." *Journal of Fractional Calculus and Applications* (2016): vol. 7 (2) pp.153-174., @2016 [Линк](#) 1.000
189. Kostić, M. (2016). Abstract incomplete degenerate differential equations. *Tsukuba Journal of Mathematics*, 40(1), 28-53., @2016 1.000
190. Kostic, Marko. "A note on semilinear degenerate relaxation equations associated with abstract differential operators." *Челябинский физико-математический журнал* 1.2 (2016): 85-93., @2016 1.000
191. Kumar, P., Haloi, R., Bahuguna, D., Pandey, D.N. Existence of solutions to a new class of abstract non-instantaneous impulsive fractional integro-differential equations (2016) *Nonlinear Dynamics and Systems Theory*, 16 (1), pp. 73-85., @2016 1.000
192. Li, K. Fractional order semilinear volterra integrodifferential equations in Banach spaces (2016) *Topological Methods in Nonlinear Analysis*, 47 (2), pp. 439-455., @2016 1.000
193. Li, Kexue. "Effects of the noise level on stochastic fractional heat equations." *arXiv preprint arXiv:1604.08341* (2016)., @2016 1.000
194. Li, Ya-Ning, Hong-Rui Sun, and Zhaosheng Feng. "Fractional abstract Cauchy problem with order $\alpha \in (1, 2)$." *Dynamics of PDE* 13.2 (2016): 155-177., @2016 1.000
195. Lizama, C., Pereira, A., Ponce, R. On the compactness of fractional resolvent operator functions (2016) *Semigroup Forum*, 93 (2), pp. 363-374., @2016 1.000
196. Mallika, D., S. Suganya, P. Kalamani, and M. Mallika Arjunan. "Sobolev type fractional integro-differential systems with nonlocal condition through resolvent operators." *Nonlinear Studies* 23, no. 3 (2016)., @2016 1.000
197. Mei, Z.-D., Peng, J.-G. Riemann-liouville fractional cosine functions (2016) *Electronic Journal of Differential Equations*, 2016, art. no. 249, pp. 1-14., @2016 1.000
198. Muthukumar, P. & Thiagu, K., Existence of Solutions and Approximate Controllability of Fractional Nonlocal Stochastic Differential Equations of Order $1 < q \leq 2$ with Infinite Delay and Poisson Jumps, *Differ Equ Dyn Syst* (2016). doi:10.1007/s12591-016-0340-8, @2016 1.000
199. Nguyen, Thanh-Anh, Dinh-Ke Tran, and Nhu-Quan Nguyen. "WEAK STABILITY FOR INTEGRO-DIFFERENTIAL INCLUSIONS OF DIFFUSION-WAVE TYPE INVOLVING INFINITE DELAYS." *Discrete & Continuous Dynamical Systems-Series B* 21.10 (2016). pp3637-3654, @2016 1.000

200. Plekhanova, Marina V. "DEGENERATE DISTRIBUTED CONTROL SYSTEMS WITH FRACTIONAL TIME DERIVATIVE." Ural Mathematical Journal 2.2 (2016): 58-71., @2016 1.000
201. Plekhanova, Marina. "Sobolev type equations of time-fractional order with periodical boundary conditions." INTERNATIONAL CONFERENCE ON ANALYSIS AND APPLIED MATHEMATICS (ICAAM 2016). Vol. 1759. No. 1. AIP Publishing, 2016., @2016 1.000
202. Poongodi, R., and R. Murugesu. "Existence of mild solution for fractional nonlocal neutral impulsive integro-differential equations with state-dependent delay." Nonlinear Studies 23.2 (2016)., @2016 1.000
203. Srinivasan, V., Sukavanam, N. Controllability of systems of fractional-order α (1, 2] with delay (2016) Chinese Control Conference, CCC, 2016- August, art. no. 7555023, pp. 10516-10520., @2016 1.000
204. Suganya, S., and M. Mallika Arjunan. "On exact controllability of neutral integro-differential systems of fractional order with state-dependent delay." Nonlinear Studies 23.4 (2016)., @2016 1.000
205. Tamilaagan, P., and P. Balasubramaniam. "The Solvability and Optimal Controls for Fractional Stochastic Differential Equations Driven by Poisson Jumps Via Resolvent Operators." Applied Mathematics & Optimization (2016): doi:10.1007/s00245-016-9380-2, @2016 1.000
206. Xia, Zhinan, Meng Fan, and Ravi P. Agarwal. "Pseudo almost automorphy of semilinear fractional differential equations in Banach Spaces." Fractional Calculus and Applied Analysis 19.3 (2016): 741-764., @2016 1.000
207. Yan, Z. On a new class of impulsive stochastic partial neutral integro-differential equations (2016) Applicable Analysis, 95 (9), pp. 1891-1918., @2016 1.000
208. Yan, Zuomao, and Xiumei Jia. "Optimal Controls for Fractional Stochastic Functional Differential Equations of Order α in (1, 2]." Bulletin of the Malaysian Mathematical Sciences Society (2016): 1-26. DOI 10.1007/s40840-016-0415-2, @2016 1.000
209. Yan, Zuomao. "Approximate controllability of fractional impulsive partial neutral stochastic differential inclusions with state-dependent delay and fractional sectorial operators." Numerical Functional Analysis and Optimization, Volume 37, Issue 12, Pages 1590-1639 (2016)., @2016 1.000
210. Zhao, Shufen, and Minghui Song. "Square-mean S-asymptotically ω -periodic solution for a stochastic fractional evolution equation driven by L^1 noise with piecewise constant argument." arXiv preprint arXiv:1609.01444 (2016)., @2016 1.000
211. Плеханова, Марина Васильевна. "Задачи стартового управления для эволюционных уравнений дробного порядка." Челябинский физико-математический журнал 1.3 (2016): 15-36., @2016 1.000
212. Фёдоров, Владимир Евгеньевич, Елена Анатольевна Романова, and Амар Дебуш. "Аналитические в секторе разрешающие семейства операторов вырожденных эволюционных уравнений дробного порядка." Сибирский журнал чистой и прикладной математики 16.2 (2016): 93-107., @2016 1.000
213. Agarwal, Ravi P., Vasile Lupulescu, and Donal O'Regan. "Fractional semilinear equations with causal operators." Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas 111.1 (2017): 257-269., @2017 1.000
214. Alsaedi, Ahmed, Mokhtar Kirane, and Rafika Lassoued. "Global existence and asymptotic behavior for a time fractional reaction–diffusion system." Computers & Mathematics with Applications 73.6 (2017): 951-958., @2017 1.000
215. Anuradha, Arumugam, et al. "On some impulsive fractional neutral differential systems with nonlocal condition through fractional operators." Nonlinear Studies 24.3 (2017)., @2017 1.000
216. Aparcanaa, Aldryn, Claudio Cuevasa, and Herme Sotob. "About a composite fractional relaxation equation via regularized families.", @2017 1.000
217. Arora, Urvashi, and N. Sukavanam. "Controllability of fractional system of order α in (1, 2] with nonlinear term having integral contractor." IMA Journal of Mathematical Control and Information (2017). DOI: 10.1093/imamci/dnx044, @2017 [Линк](#) 1.000
218. Baeumer, B., Straka, P. Fokker–Planck and Kolmogorov backward equations for continuous time random walk scaling limits (2017) Proceedings of the American Mathematical Society, 145 (1), pp. 399-412., @2017 1.000
219. Belmekki, Mohammed, and Kheira Mekhalfi. "On Fractional Differential Equations with State-Dependent Delay via Kuratowski Measure of Noncompactness." Filomat 31.2 (2017): 451-460., @2017 1.000
220. Chadha, Alka, and Swaroop Nandan Bora. "Approximate Controllability of Impulsive Neutral Stochastic Differential Equations Driven by Poisson Jumps." Journal of Dynamical and Control Systems (2017): 1-28. DOI: 10.1007/s10883-016-9348-1, @2017 [Линк](#) 1.000
221. Chadha, Alka. "Existence of the Mild Solution for an Impulsive Nonlocal Neutral Stochastic Fractional Differential Inclusions with Infinite Delay." International Journal of Applied and Computational Mathematics (2017): Volume 3, Supplement 1, pp 699–726, @2017 [Линк](#) 1.000
222. Chen, Pengyu, Xuping Zhang, and Yongxiang Li. "Approximation Technique for Fractional Evolution Equations with Nonlocal Integral Conditions." Mediterranean Journal of Mathematics 14.6 (2017): 226., @2017 1.000
223. Chen, Pengyu, Xuping Zhang, and Yongxiang Li. "Study on fractional non-autonomous evolution equations with delay." Computers & Mathematics with Applications 73.5 (2017): 794-803., @2017 1.000
224. Dardar, Nedjemeddine, and Amar Debbouche. "Nonlinear Degenerate Fractional Evolution Equations with Nonlocal Conditions." Fundamenta Informaticae 151.1-4 (2017): 473-485., @2017 1.000
225. Djida, J. D., G. M. Mophou, and I. Area. "Optimal control of diffusion equation with fractional time derivative with nonlocal and nonsingular Mittag-Leffler kernel." arXiv preprint arXiv:1711.09070 (2017)., @2017 1.000
226. Emamirad, Hassan, and Arnaud Rougirel. "Solution operators of three time variables for fractional linear problems." Mathematical Methods in the Applied Sciences 40.5 (2017): 1553-1572., @2017 1.000
227. Fedorov, Vladimir E., and Natalia D. Ivanova. "Identification problem for degenerate evolution equations of fractional order." Fractional Calculus and Applied Analysis 20.3 (2017): 706-721., @2017 1.000

228. Feng, Haixing, and Chengbo Zhai. "Some New Existence and Uniqueness Results for an Integral Boundary Value Problem of Caputo Fractional Differential Equations." *Discrete Dynamics in Nature and Society* 2017, Article ID 4087403, 11 pages <https://doi.org/10.1155/2017/4087403>, @2017 [Линк](#) 1.000
229. Gal, C. and M. Warma. Fractional-in-time semilinear parabolic equations and applications. 2017. HAL Id: hal-01578788, @2017 [Линк](#) 1.000
230. Gordievskikh, Dmitrii Mikhailovich. "Solvability of the boundary value problem for the equation of transition processes in semiconductors with a fractional time derivative." *Buletinul Academiei de Ştiinţe a Republicii Moldova. Matematica* 1 (2017): 51-56., @2017 1.000
231. Górka, Przemysław, Humberto Prado, and Juan Trujillo. "The time fractional Schrödinger equation on Hilbert space." *Integral Equations and Operator Theory* 87.1 (2017): 1-14., @2017 1.000
232. Govindaraj, Venkatesan, and Raju K. George. "CONTROLLABILITY OF ITERATIVE FRACTIONAL INTEGRO-DIFFERENTIAL SYSTEMS IN BANACH SPACES." *INDIAN JOURNAL OF MATHEMATICS*, Vol. 59, No. 2, 2017, 161-187, @2017 1.000
233. Japundžić, Miloš, and Danijela Rajter-Ćirić. "Approximate solutions of time and time-space fractional wave equations with variable coefficients." *Applicable Analysis* (2017): 1-26. DOI: 10.1080/00036811.2017.1322198, @2017 [Линк](#) 1.000
234. JAPUNDZIC, MILOŠ, and Danijela Rajter-Ciric. "Generalized uniformly continuous solution operators and inhomogeneous fractional evolution equations with variable coefficients." *Electronic Journal of Differential Equations* 2017.293 (2017): 1-24., @2017 [Линк](#) 1.000
235. Keyantuo, Valentin, Carlos Lizama, and Mahamadi Warma. "Existence, regularity and representation of solutions of time fractional wave equations." *Electronic Journal of Differential Equations*, Vol. 2017 (2017), No. 222, pp. 1-42., @2017 [Линк](#) 1.000
236. Kokurin, M. M. "On a Difference Scheme for Solving Cauchy Problems with the Caputo Fractional Derivative in a Banach Space." *arXiv preprint arXiv:1712.03047* (2017)., @2017 1.000
237. Kostić, Marko. "ABSTRACT DEGENERATE FRACTIONAL DIFFERENTIAL INCLUSIONS IN BANACH SPACES." *Applicable Analysis & Discrete Mathematics* 11.1 (2017).pp.39-61, @2017 [Линк](#) 1.000
238. KOSTIC, MARKO. "Almost periodicity of abstract Volterra integro-differential equations." *Adv. Oper. Theory*, 2 (2017), no. 3, 353-382., @2017 1.000
239. Kostić, Marko. "Degenerate abstract Volterra equations in locally convex spaces." *Filomat* 31.3 (2017): 597-619., @2017 1.000
240. Li, Baolin, and Haide Gou. "Existence Results of Mild Solutions for Impulsive Fractional Evolution Equations with Periodic Boundary Condition." *International Journal of Nonlinear Sciences and Numerical Simulation*. <https://doi.org/10.1515/ijnsns-2017-0063>, @2017 [Линк](#) 1.000
241. Lian, Tingting, Zhenbin Fan, and Gang Li. "Approximate Controllability of Semilinear Fractional Differential Systems of Order $1 < q < 2$ via Resolvent Operators." *Filomat* 31:18 (2017). 5769-5781, @2017 [Линк](#) 1.000
242. Liu, Ru, Miao Li, and Sergey Piskarev. "The Order of Convergence of Difference Schemes for Fractional Equations." *Numerical Functional Analysis and Optimization* 38.6 (2017): 754-769., @2017 1.000
243. Liu, Xianghu, Yanfang Li, and Yanmin Liu. "The convergence of iterative learning control for some fractional system." *Advances in Difference Equations* 2017.1 (2017): 132., @2017 1.000
244. Lizama, Carlos. "The Poisson distribution, abstract fractional difference equations, and stability." *Proceedings of the American Mathematical Society* 145.9 (2017): 3809-3827., @2017 1.000
245. Machado, JA Tenreiro, and Virginia Kiryakova. "The Chronicles of Fractional Calculus." *Fractional Calculus and Applied Analysis* 20.2 (2017): 307-336., @2017 1.000
246. MacNamara, Shev, Bruce Henry, and William McLean. "Fractional Euler Limits and their Applications." *SIAM Journal on Applied Mathematics* 77.2 (2017): 447-469., @2017 [Линк](#) 1.000
247. Mahmudov, N. I., et al. "Approximate controllability results for fractional semilinear integro-differential inclusions in Hilbert spaces." *Results in Mathematics* 71.1-2 (2017): 45-61., @2017 1.000
248. Mallika, Duraisamy, et al. "A note on Sobolev form fractional integro-differential equation with state-dependent delay via resolvent operators." *Nonlinear Studies* 24.3 (2017)., @2017 1.000
249. Moslehi, Leila, and Alireza Ansari. "On M-Wright transforms and time-fractional diffusion equations." *Integral Transforms and Special Functions*, Volume 28, 2017 - Issue 2, pp. 113-129, @2017 1.000
250. Mu, Jia, Bashir Ahmad, and Shuibo Huang. "Existence and regularity of solutions to time-fractional diffusion equations." *Computers & Mathematics with Applications* 73.6 (2017): 985-996., @2017 1.000
251. MUSLIM M., AVADHESH KUMAR and RAVI P. AGARWAL. "EXACT CONTROLLABILITY OF FRACTIONAL INTEGRO-DIFFERENTIAL SYSTEMS OF ORDER $\alpha \in (1, 2]$ WITH DEVIATED ARGUMENT." *Analele Universit'at'ii Oradea Fasc. Matematica*, Tom XXIV (2017), Issue No. 1, 185-194, @2017 [Линк](#) 1.000
252. Muslim, Malik, and Avadhesh Kumar. "Controllability of Fractional Differential Equation of Order $\alpha \in (1, 2]$ With Non-Instantaneous Impulses." *Asian Journal of Control*. DOI: 10.1002/asjc.1604, @2017 [Линк](#) 1.000
253. Plekhanova, M. V. "Разрешимость задач управления для вырожденных эволюционных уравнений дробного порядка." *Челябинский физико-математический журнал* 2.1 (2017).Т. 2, вып. 1. С. 53-65, @2017 1.000
254. Plekhanova, Marina V. "Nonlinear equations with degenerate operator at fractional Caputo derivative." *Mathematical methods in the applied sciences* 40.17 (2017): 6138-6146., @2017 1.000
255. Ponce, R., and Poblete, V. "Maximal L p-regularity for fractional differential equations on the line." *Mathematische Nachrichten*. Volume 290 Issue 13 (2017) p 2009-2023, @2017 [Линк](#) 1.000
256. Suganya, Selvaraj, and Mani Mallika Arjunan. "Existence of Mild Solutions for Impulsive Fractional Integro-Differential Inclusions with State-Dependent Delay." *Mathematics* 5.1 (2017): 9., @2017 1.000

257. Tamilaagan, P., and P. Balasubramaniam. "Approximate controllability of fractional stochastic differential equations driven by mixed fractional Brownian motion via resolvent operators." *International Journal of Control* 90.8 (2017): 1713-1727., @2017 1.000
258. Topp, Erwin, and Miguel Yangari. "Existence and uniqueness for parabolic problems with Caputo time derivative." *Journal of Differential Equations* 262.12 (2017): 6018-6046., @2017 1.000
259. Wang, JinRong, et al. "A general class of noninstantaneous impulsive fractional differential inclusions in Banach spaces." *Advances in Difference Equations* 2017.1 (2017): 287., @2017 1.000
260. Warma, Mahamadi. "On the approximate controllability from the boundary for fractional wave equations." *Applicable Analysis* 96.13 (2017): 2291-2315., @2017 1.000
261. Yamamoto, Masahiro. "Weak solutions to non-homogeneous boundary value problems for time-fractional diffusion equations." *Journal of Mathematical Analysis and Applications* (2017). DOI:10.1016/j.jmaa.2017.11.048, @2017 [Линк](#) 1.000
262. Yan, Zuomao, and Xiumei Jia. "Approximate controllability of fractional impulsive stochastic functional differential inclusions with infinite delay and fractional sectorial operators." *Journal of Computational Analysis and Applications* (2017): VOL. 22, NO.3, p. 409-431., @2017 [Линк](#) 1.000
263. Yang, He, Elyasa Ibrahim, and Jin Ma. "Hybrid fixed point theorems with application to fractional evolution equations." *Journal of Fixed Point Theory and Applications* 19.4 (2017): 2663-2679., @2017 [Линк](#) 1.000
264. Zaczekiewicz, Zbigniew. "On the application of Laplace transform to fractional differential-algebraic systems with delays." *Methods and Models in Automation and Robotics (MMAR), 2017 22nd International Conference on. IEEE, 2017. DOI: 10.1109/MMAR.2017.8046878, @2017 [Линк](#) 1.000*
265. Zhu, Shouguo, Zhenbin Fan, and Gang Li. "Optimal Controls for Riemann–Liouville Fractional Evolution Systems without Lipschitz Assumption." *Journal of Optimization Theory and Applications* (2017): Volume 174, Issue 1, pp 47–64., @2017 [Линк](#) 1.000
266. Васильев, Валерий Викторович, Сергей Игоревич Пискарев, and Надежда Юрьевна Селиванова. "Проинтегрированные полугруппы, C-полугруппы и их приложения." *Итоги науки и техники. Серия «Современная математика и ее приложения. Тематические обзоры»* 131.0 (2017): 3-109., @2017 1.000
267. Кокурин, Михаил Юрьевич, Сергей Игоревич Пискарев, and М. Спрефико. "Конечно-разностные методы для дробных дифференциальных уравнений порядка 1/2." *Итоги науки и техники. Серия «Современная математика и ее приложения. Тематические обзоры»* 133.0 (2017): 120-129., @2017 1.000
268. Фёдоров, Владимир Евгеньевич, and Елена Анатольевна Романова. "Об аналитических в секторе разрешающих семействах операторов сильно вырожденных эволюционных уравнений высокого и дробного порядков." *Итоги науки и техники. Серия «Современная математика и ее приложения. Тематические обзоры»* 137.0 (2017): 82-96., @2017 1.000
269. Aimene, Jihad and Seba, Djamil and Laoubi, Karima, Controllability of Impulsive Fractional Functional Evolution Equations with Infinite State-Dependent Delay in Banach Spaces (July 1, 2018). *Proceedings of International Conference on Fractional Differentiation and its Applications (ICFDA) 2018.*, @2018 [Линк \(x\)](#) 1.000
270. Aissani, K., Benchohra, M., Meghnaifi, M. Controllability for impulsive fractional evolution equations with state-dependent delay (2018) *Memoirs on Differential Equations and Mathematical Physics*, 73, pp. 1-20., @2018 [Линк \(x\)](#) 1.000
271. Alvarez, Edgardo, et al. "Well-posedness results for a class of semi-linear super-diffusive equations." arXiv:1808.02434, @2018 [Линк \(x\)](#) 1.000
272. Anuradha, A., and M. Mallika Arjunan. "On fractional neutral integro-differential systems with state-dependent delay via Kuratowski measure of non-compactness in Banach spaces." *Malaya Journal of Matematik (MJM)* 6.3, 2018 (2018): 547-555., @2018 (x) 1.000
273. Aparcana, A., Cuevas, C., Soto, H. About a composite fractional relaxation equation via regularized families (2018) *Scientia Iranica*, 25 (1), pp. 329-338., @2018 [Линк \(x\)](#) 1.000
274. Arora, Urvashi, and N. Sukavanam. "APPROXIMATE CONTROLLABILITY OF SEMILINEAR FRACTIONAL STOCHASTIC SYSTEM WITH NONLOCAL CONDITIONS." *Dynamic Systems and Applications* 27.1 (2018): 45-62., @2018 [Линк \(x\)](#) 1.000
275. Boufoussi, B., Hajji, S., Mouchtabih, S. Transportation inequalities for fractional stochastic functional differential equations driven by fractional Brownian motion (2018) *Afrika Matematika*, 29 (3-4), pp. 575-589., @2018 [Линк \(x\)](#) 1.000
276. Cao, J., Huang, Z., N'guérékata, G.M. Existence of Asymptotically Almost Automorphic Mild Solutions of Semilinear Fractional Differential Equations (2018) *International Journal of Differential Equations*, 2018, art. no. 8243180, ., @2018 [Линк \(x\)](#) 1.000
277. Chadha, A., Bora, S.N., R Sakthivel, Approximate Controllability of Impulsive Neutral Stochastic Differential Equations Driven by Poisson Jumps (2018) *Journal of Dynamical and Control Systems*, 24 (1), pp. 101-128., @2018 [Линк \(x\)](#) 1.000
278. Chalishajar, D., et al. "Existence of Fractional Impulsive Functional Integro-Differential Equations in Banach Spaces." (2018) *preprints.org*, @2018 [Линк \(x\)](#) 1.000
279. Chen, P., Zhang, X., Li, Y. A blowup alternative result for fractional non-autonomous evolution equation of volterra type (2018) *Communications on Pure and Applied Analysis*, 17 (5), pp. 1975-1992., @2018 [Линк \(x\)](#) 1.000
280. Da Silva, J.L., Kondratiev, Y., Tkachov, P. Fractional kinetics in a spatial ecology model (2018) *Methods of Functional Analysis and Topology*, 24 (3), pp. 275-287., @2018 [Линк \(x\)](#) 1.000
281. Diagana, Toka. "Semilinear Evolution Equations and Their Applications." Springer (2018)., @2018 [Линк \(x\)](#) 1.000
282. Fedorov, V.E., Plekhanova, M.V., Nazhimov, R.R. Degenerate Linear Evolution Equations with the Riemann–Liouville Fractional Derivative (2018) *Siberian Mathematical Journal*, 59 (1), pp. 136-146., @2018 [Линк \(x\)](#) 1.000
283. Fedorov, V.E., Romanova, E.A., Debouche, A. Analytic in a Sector Resolving Families of Operators for Degenerate Evolution Fractional Equations (2018) *Journal of Mathematical Sciences (United States)*, 228 (4), pp. 380-394., @2018 [Линк \(x\)](#) 1.000
284. Fedorov, V.E., Streletskaia, E.M. Initial-value problems for linear distributed-order differential equations in banach spaces (2018) *Electronic Journal of Differential Equations*, 2018, No. 176, 17 p., @2018 [Линк \(x\)](#) 1.000

285. Fischer, Marina. "Fast and Parallel Runge-Kutta Approximation of Fractional Evolution Equations." arXiv preprint arXiv:1803.05335 (2018)., @2018 [Линк \(x\)](#) 1.000
286. Fitouhi, A., Jebabli, I., Shishkina, E.L., Sitnik, S.M. Applications of the integral transforms composition method to wave-type singular differential equations and index shift transmutations (2018) Electronic Journal of Differential Equations, 2018, art. no. 130, ., @2018 [Линк \(x\)](#) 1.000
287. Govindaraj, V., George, R.K. Trajectory Controllability of Fractional Integro-Differential Systems in Hilbert Spaces (2018) Asian Journal of Control, 20 (5), pp. 1994-2004., @2018 [Линк \(x\)](#) 1.000
288. Gu, C.-Y., Li, H.-X. Translation invariance and related properties of μ -pseudo almost automorphic (periodic) functions with application (2018) Advances in Difference Equations, 2018 (1), art. no. 165, ., @2018 [Линк \(x\)](#) 1.000
289. Guidetti, Davide. "On maximal regularity for the Cauchy-Dirichlet mixed parabolic problem with fractional time derivative." arXiv preprint arXiv:1807.05913 (2018)., @2018 [Линк \(x\)](#) 1.000
290. Hale, N., Olver, S. A fast and spectrally convergent algorithm for rational-order fractional integral and differential equations (2018) SIAM Journal on Scientific Computing, 40 (4), pp. A2456-A2491., @2018 [Линк \(x\)](#) 1.000
291. Hein, Marie-Luise. The principle of linearised stability for non-linear parabolic Volterra equations. Diss. Universität Ulm, 2018., @2018 [Линк \(x\)](#) 1.000
292. Ibrahim, A.G. "Differential Equations and Inclusions of Fractional Order with Impulse Effects in Banach Spaces". Bull. Malays. Math. Sci. Soc. (2018). <https://doi.org/10.1007/s40840-018-0665-2>, @2018 [Линк \(x\)](#) 1.000
293. Japundžić, M., Rajter-Čirić, D. Approximate solutions of time and time-space fractional wave equations with variable coefficients (2018) Applicable Analysis, 97 (9), pp. 1565-1590., @2018 [Линк \(x\)](#) 1.000
294. Jia, J., Peng, J., Gao, J., Li, Y. Backward problem for a time-space fractional diffusion equation (2018) Inverse Problems and Imaging, 12 (3), pp. 773-799., @2018 [Линк \(x\)](#) 1.000
295. Jin, B., Li, B., Zhou, Z. Discrete maximal regularity of time-stepping schemes for fractional evolution equations (2018) Numerische Mathematik, 138 (1), pp. 101-131., @2018 [Линк \(x\)](#) 1.000
296. Jin, Bangti, Buyang Li, and Zhi Zhou. "Numerical analysis for the subdiffusion equation with a time-dependent coefficient." arXiv preprint arXiv:1809.07583 (2018)., @2018 [Линк \(x\)](#) 1.000
297. Jin, Bangti, Raytcho Lazarov, and Zhi Zhou. "Numerical methods for time-fractional evolution equations with nonsmooth data: a concise overview." arXiv preprint arXiv:1805.11309 (2018)., @2018 [Линк \(x\)](#) 1.000
298. Katrakhov, V. V., and S. M. Sitnik. "The Transmutation Method and Boundary-Value Problems for Singular Differential Equations." arXiv preprint arXiv:1809.10887 (2018)., @2018 [Линк \(x\)](#) 1.000
299. Kirane, M., Alsaedi, A., Ahmad, B. On systems of reaction–diffusion equations with a balance law: The sequel (2018) Computers and Mathematics with Applications, DOI: 10.1016/j.camwa.2018.10.004, @2018 [Линк \(x\)](#) 1.000
300. Kochubei, Anatoly N., Yuri Kondratiev, and José Luís da Silva. "From Random Times to Fractional Kinetics." arXiv preprint arXiv:1811.10531 (2018)., @2018 [Линк \(x\)](#) 1.000
301. Kokurin, M.Y., Piskarev, S.I., Spreafico, M. Finite-Difference Methods for Fractional Differential Equations of Order 1/2 (2018) Journal of Mathematical Sciences (United States), 230 (6), pp. 950-960., @2018 [Линк \(x\)](#) 1.000
302. Kostić, M. On a class of abstract degenerate fractional differential equations of parabolic type (2018) Commentationes Mathematicae Universitatis Carolinae, 59 (1), pp. 81-101., @2018 [Линк \(x\)](#) 1.000
303. Kostic, M. "Perturbation results for abstract degenerate Volterra integro-differential equations." J. Fract. Calc. Appl 9 (2018): 137-152., @2018 [Линк \(x\)](#) 1.000
304. Kostić, M., Fedorov, V.E. Disjoint Hypercyclic and Disjoint Topologically Mixing Properties of Degenerate Fractional Differential Equations (2018) Russian Mathematics, 62 (7), pp. 31-46., @2018 [Линк \(x\)](#) 1.000
305. Kostic, M., S. Pilipovic, D. Velinov, Daniel. "On the exponential ultradistribution semigroups in Banach spaces." arXiv preprint arXiv:1808.01189 (2018)., @2018 [Линк \(x\)](#) 1.000
306. Kostić, Marco. "Weyl-almost periodic and asymptotically Weyl-almost periodic properties of solutions to linear and semilinear abstract Volterra integro-differential equations." Mathematical notes of NEFU 25.2 (2018): 65-84., @2018 [Линк \(x\)](#) 1.000
307. Kostic, Marko. "Asymptotically almost periodic solutions of fractional relaxation inclusions with Caputo derivatives." arXiv preprint arXiv:1808.03335 (2018)., @2018 [Линк \(x\)](#) 1.000
308. Kostic, Marko. "Complex powers of multivalued linear operators with polynomially bounded \mathcal{C} -resolvent." arXiv preprint arXiv:1809.02561 (2018)., @2018 [Линк \(x\)](#) 1.000
309. Kostić, Marko. "Disjoint distributionally chaotic abstract PDE's." arXiv preprint arXiv:1812.09092 (2018)., @2018 [Линк \(x\)](#) 1.000
310. Kostic, Marko. "Entire and analytical solutions of certain classes of abstract degenerate fractional differential equations and their systems." arXiv preprint arXiv:1809.02566 (2018)., @2018 [Линк \(x\)](#) 1.000
311. Kostic, Marko. "Generalized weighted pseudo-almost periodic solutions and generalized weighted pseudo-almost automorphic solutions of abstract Volterra integro-differential inclusions." arXiv preprint arXiv:1808.02749 (2018)., @2018 [Линк \(x\)](#) 1.000
312. Li, Cheng-Gang, et al. "The fractional d'Alembert's formulas." arXiv preprint arXiv:1808.06803 (2018)., @2018 [Линк \(x\)](#) 1.000
313. Li, Chenyu, and Miao Li. "Hölder Regularity for Abstract Fractional Cauchy Problems with Order in (0, 1)." Journal of Applied Mathematics and Physics 6.01 (2018): 310., @2018 [Линк \(x\)](#) 1.000
314. Li, Miao, Javier Pastor, and Sergey Piskarev. "Inverses of generators of integrated fractional resolvent operator functions." arXiv preprint arXiv:1809.04743 (2018)., @2018 [Линк \(x\)](#) 1.000

315. Liu, Ru. "Fractional Difference Approximations for Time-Fractional Telegraph Equation." Journal of Applied Mathematics and Physics 6.01 (2018): 301., @2018 [Линк \(x\)](#) 1.000
316. Liu, Ru. "Is A^{-1} an Infinitesimal Generator?." Journal of Applied Mathematics and Physics 6.10 (2018): 1979-1987., @2018 [Линк \(x\)](#) 1.000
317. Luchko, Yu. "Subordination principles for the multi-dimensional space-time-fractional diffusion-wave equation". Theory of Probability and Mathematical Statistics, 98 (2018) 121-141, @2018 [Линк \(x\)](#) 1.000
318. Mei, J., Chen, C., Li, M. A novel algebraic characteristic of fractional resolvent families (2018) Semigroup Forum, DOI: 10.1007/s00233-018-9964-z, @2018 [Линк \(x\)](#) 1.000
319. Muslim, M., Kumar, A. Controllability of Fractional Differential Equation of Order $\alpha \in (1, 2]$ With Non-Instantaneous Impulses (2018) Asian Journal of Control, 20 (2), pp. 935-942., @2018 [Линк \(x\)](#) 1.000
320. Muthukumar, P., Thiagu, K. Existence of Solutions and Approximate Controllability of Fractional Nonlocal Stochastic Differential Equations of Order $1 < q \leq 2$ with Infinite Delay and Poisson Jumps (2018) Differential Equations and Dynamical Systems, 26 (1-3), pp. 15-36., @2018 [Линк \(x\)](#) 1.000
321. N'Guérékata, G.M., Kostić, M. Generalized Asymptotically Almost Periodic and Generalized Asymptotically Almost Automorphic Solutions of Abstract Multiterm Fractional Differential Inclusions (2018) Abstract and Applied Analysis, 2018, art. no. 5947393, ., @2018 [Линк \(x\)](#) 1.000
322. Plekhanova, Marina. "Optimal Control Existence for Degenerate Infinite Dimensional Systems of Fractional Order." IFAC-PapersOnLine 51.32 (2018): 669-674., @2018 [Линк \(x\)](#) 1.000
323. Ren, Lulu, JinRong Wang, and Michal Feckan. "ASYMPTOTICALLY PERIODIC SOLUTIONS FOR CAPUTO TYPE FRACTIONAL EVOLUTION EQUATIONS." Fractional Calculus and Applied Analysis, 21, 5, 2018, pp. 1294-1312, DOI: 10.1515/fca-2018-0068, @2018 [Линк \(x\)](#) 1.000
324. Su, X., Li, M. The regularity of fractional stochastic evolution equations in Hilbert space (2018) Stochastic Analysis and Applications, 36 (4), pp. 639-653., @2018 [Линк \(x\)](#) 1.000
325. Subashini, R., et al. "On the results of Hilfer fractional derivative with nonlocal conditions." International Journal of Pure and Applied Mathematics 118.11 (2018): 277-289, @2018 [Линк \(x\)](#) 1.000
326. Sun, Y., Gu, H., Zhang, Y., Chen, X., Wang, X. Optimal controls for a class of impulsive fractional differential equations with nonlocal conditions (2018) Advances in Difference Equations, 2018 (1), art. no. 125, ., @2018 [Линк \(x\)](#) 1.000
327. Tamilalagan, P., and P. Balasubramaniam. "Controllability of Single-valued and Multivalued Fractional Stochastic Differential Equations." (book chapter) Mathematical Techniques of Fractional Order Systems. Elsevier (2018) 185-228., @2018 [Линк \(x\)](#) 1.000
328. Tamilalagan, P., Balasubramaniam, P. The Solvability and Optimal Controls for Fractional Stochastic Differential Equations Driven by Poisson Jumps Via Resolvent Operators (2018) Applied Mathematics and Optimization, 77 (3), pp. 443-462., @2018 [Линк \(x\)](#) 1.000
329. Vasil'ev, V.V., Piskarev, S.I., Selivanova, N.Y. Integrated Semigroups and C-Semigroups and their Applications (2018) Journal of Mathematical Sciences (United States), 230 (4), pp. 513-646., @2018 [Линк \(x\)](#) 1.000
330. Wang, J., Ibrahim, A.G., O'Regan, D. Controllability of fractional evolution inclusions with noninstantaneous impulses (2018) International Journal of Nonlinear Sciences and Numerical Simulation, 19 (3-4), pp. 321-334., @2018 [Линк \(x\)](#) 1.000
331. Wang, J., Ibrahim, A.G., O'Regan, D., Zhou, Y. Controllability for noninstantaneous impulsive semilinear functional differential inclusions without compactness (2018) Indagationes Mathematicae, 29 (5), pp. 1362-1392., @2018 [Линк \(x\)](#) 1.000
332. Wang, JinRong, Ahmed Gamal Ibrahim, and Donal O'Regan. "Hilfer-type fractional differential switched inclusions with noninstantaneous impulsive and nonlocal conditions." NONLINEAR ANALYSIS-MODELLING AND CONTROL 23.6 (2018): 921-941., @2018 [Линк \(x\)](#) 1.000
333. Warma, Mahamadi. "Approximate controllability from the exterior of space-time fractional diffusion equations with the fractional Laplacian." arXiv preprint arXiv:1802.08028 (2018)., @2018 [Линк \(x\)](#) 1.000
334. Xu, Jiaohui, and Tomás Caraballo. "Long time behavior of fractional impulsive stochastic differential equations with infinite delay." Discrete & Continuous Dynamical Systems-B (2018): 3692-3705. doi: 10.3934/dcdsb.2018272, @2018 [Линк \(x\)](#) 1.000
335. Yamamoto, M. Weak solutions to non-homogeneous boundary value problems for time-fractional diffusion equations (2018) Journal of Mathematical Analysis and Applications, 460 (1), pp. 365-381., @2018 [Линк \(x\)](#) 1.000
336. Yan, Z., Jia, X. Optimal Controls for Fractional Stochastic Functional Differential Equations of Order $\alpha \in (1, 2]$ (2018) Bulletin of the Malaysian Mathematical Sciences Society, 41 (3), pp. 1581-1606., @2018 [Линк \(x\)](#) 1.000
337. Zhang, D., Liang, Y. Existence and controllability of fractional evolution equation with sectorial operator and impulse (2018) Advances in Difference Equations, 2018 (1), art. no. 219, ., @2018 [Линк \(x\)](#) 1.000
338. Zhang, Q., Li, Y. Global well-posedness and blow-up solutions of the Cauchy problem for a time-fractional superdiffusion equation (2018) Journal of Evolution Equations, DOI: 10.1007/s00028-018-0475-x, @2018 [Линк \(x\)](#) 1.000
339. Zhang, Q., Li, Y. The critical exponent for a time fractional diffusion equation with nonlinear memory (2018) Mathematical Methods in the Applied Sciences, 41 (16), pp. 6443-6456., @2018 [Линк \(x\)](#) 1.000
340. Zhou, Yong, et al. "Approximate controllability of impulsive fractional integro-differential equation with state-dependent delay in Hilbert spaces." IMA Journal of Mathematical Control and Information (2018). DOI: 10.1093/imamci/dnx060, @2018 [Линк \(x\)](#) 1.000
341. Катрахов, Валерий Вячеславович, and Сергей Михайлович Ситник. "Метод операторов преобразования и краевые задачи для сингулярных эллиптических уравнений." Современная математика. Фундаментальные направления 64.2 (2018): 211-426., @2018 [Линк \(x\)](#) 1.000
342. Костич, Марко, and Владимир Евгеньевич Фёдоров. "Разделенные гиперциклические и разделенные топологически перемешивающие свойства вырожденных дробных дифференциальных уравнений." Известия высших учебных заведений. Математика 7 (2018): 36-53., @2018 [Линк \(x\)](#) 1.000

343. Плеханова, Марина Васильевна. "Задачи оптимального управления для линейных вырожденных дробных уравнений." Итоги науки и техники. Серия «Современная математика и ее приложения. Тематические обзоры» 149.0 (2018): 72-83., @2018 [Линк](#) (x) 1.000
344. Фёдоров, В.Е. and Е.А. Романова. "Неоднородное эволюционное уравнение дробного порядка в секториальном случае." Итоги науки и техники. Серия «Современная математика и ее приложения. Тематические обзоры» 149.0 (2018): 103-112., @2018 [Линк](#) (x) 1.000

2002

7. **Bazhlekova, E.** Strict Lp solutions for fractional evolution equations. Fract. Calc. Appl. Anal., 5, 4, 2002, ISSN:1311-0454, 427-436

Цитируется:

345. Guidetti, Davide. "On maximal regularity for the Cauchy-Dirichlet mixed parabolic problem with fractional time derivative." arXiv preprint arXiv:1807.05913 (2018)., @2018 [Линк](#) 1.000
346. Jin, Bangti, Buyang Li, and Zhi Zhou. "Discrete maximal regularity of time-stepping schemes for fractional evolution equations." Numerische mathematik 138.1 (2018): 101-131., @2018 [Линк](#) 1.000
347. Jin, Bangti, Buyang Li, and Zhi Zhou. "Numerical analysis of nonlinear subdiffusion equations." SIAM Journal on Numerical Analysis 56.1 (2018): 1-23., @2018 [Линк](#) 1.000
348. Guidetti, D. On Maximal Regularity for Abstract Parabolic Problems with Fractional Time Derivative (2019) Mediterranean Journal of Mathematics, 16 (2), art. no. 40. DOI: 10.1007/s00009-019-1309-y, @2019 [Линк](#) 1.000
349. Guidetti, D. On maximal regularity for the Cauchy-Dirichlet parabolic problem with fractional time derivative (2019) Journal of Mathematical Analysis and Applications, 476 (2), pp. 637-664. DOI: 10.1016/j.jmaa.2019.04.004, @2019 [Линк](#) 1.000
350. Kian, Y., Soccorsi, E., Triki, F. LOGARITHMIC STABLE RECOVERY OF THE SOURCE AND THE INITIAL STATE OF TIME FRACTIONAL DIFFUSION EQUATIONS (2023) SIAM Journal on Mathematical Analysis, 55 (4), pp. 3888-3902., @2023 [Линк](#) 1.000

2003

8. **Bazhlekova, E., P. Clément.** Global smooth solutions for a quasilinear fractional evolution equation. Journal of Evolution Equations, 3, 2, 2003, ISSN:1424-3199, DOI:10.1007/s00028-003-0092-0, 237-246. SJR (Scopus):1.347

Цитируется:

351. Jin, B., Li, B., Zhou, Z. Discrete maximal regularity of time-stepping schemes for fractional evolution equations (2018) Numerische Mathematik, 138 (1), pp. 101-131., @2018 [Линк](#) 1.000
352. de Andrade, B., Silva, C., Viana, A. Lq -solvability for an equation of viscoelasticity in power type material (2021) Zeitschrift fur Angewandte Mathematik und Physik, 72 (1), art. no. 10. DOI: 10.1007/s00033-020-01443-0, @2021 [Линк](#) 1.000
353. Liu, L., Fan, Z., Li, G., Piskarev, S. Discrete almost maximal regularity and stability for fractional differential equations in $L_p([0, 1], \Omega)$ (2021) Applied Mathematics and Computation, 389, art. no. 125574 DOI: 10.1016/j.amc.2020.125574, @2021 [Линк](#) 1.000

2012

9. **Bazhlekova, E., Dimovski, I.** Explicit Solution for a Wave Equation with Nonlocal Condition. American Institute of Physics Conf. Proc., 1497, 2012, ISSN:0094-243X E-ISSN:1551-7616, DOI:10.1063/1.4766789, 221-232. SJR (Scopus):0.154

Цитируется:

354. Mamchuev, M. O. "Necessary non-local conditions for a time-fractional diffusion-wave equation." arXiv preprint arXiv:1709.05103 (2017)., @2017 1.000

10. **Bazhlekova, E.** Existence and uniqueness results for a fractional evolution equation in Hilbert space. Fract. Calc. Appl. Anal., 15, 2, 2012, ISSN:1311-0454, 232-243. SJR:1.069

Цитируется:

355. Dubey, S., Sharma, M., Solutions to fractional functional differential equations with nonlocal conditions (2014) Fractional Calculus and Applied Analysis, 17 (3), pp. 654-673, @2014 1.000
356. Balasubramaniam, P., Tamilaagan, P. Approximate controllability of a class of fractional neutral stochastic integro-differential inclusions with infinite delay by using Mainardi's function (2015) Applied Mathematics and Computation, 256, pp. 232-246. DOI: 10.1016/j.amc.2015.01.035, @2015 1.000
357. Debboche, A., Torres, D.F.M. Sobolev type fractional dynamic equations and optimal multi-integral controls with fractional nonlocal conditions (2015) Fractional Calculus and Applied Analysis, 18 (1), pp. 95-121. DOI: 10.1515/fca-2015-0007, @2015 1.000
358. Mei, Z. D., & Peng, J. G. (2015). Existence of mild solutions for Riemann-Liouville fractional differential equations with nonlocal conditions. arXiv preprint arXiv:1507.08540., @2015 1.000

359. Mei, Z.-D., Peng, J.-G. A class of abstract fractional relaxation equations (2015) *Applicable Analysis*, 94 (12), pp. 2397-2417. DOI: 1.000 10.1080/00036811.2014.986653, @2015
 360. Mei, Z.-D., Peng, J.-G., Gao, J.-H. Existence and uniqueness of solutions for nonlinear general fractional differential equations in Banach spaces (2015) *Indagationes Mathematicae*, 26 (4), pp. 669-678. DOI: 10.1016/j.indag.2015.05.004, @2015
 361. Liu, Z., Bin, M., Liu, X. On the "bang-bang" principle for a class of Riemann-Liouville fractional semilinear evolution inclusions (2016) *Mathematica Slovaca*, 66 (6), pp. 1329-1344. DOI: 10.1515/ms-2016-0226, @2016
 362. Suganya, S., Arjunan, M.M. On exact controllability of neutral integro-differential systems of fractional order with state-dependent delay (2016) *Nonlinear Studies*, 23 (4), pp. 699-716., @2016
 363. Suganya, S., Kalamani, P. and Arjunan, M.M., 2016. Existence of a class of fractional neutral integro-differential systems with state-dependent delay in Banach spaces. *Computers & Mathematics with Applications* (2016). <http://dx.doi.org/10.1016/j.camwa.2016.01.016>, @2016
 364. Tatar, S., Ulusoy, S. An inverse problem for a nonlinear diffusion equation with time-fractional derivative (2017) *Journal of Inverse and Ill-Posed Problems*, 25 (2), pp. 185-193. DOI: 10.1515/jiip-2015-0100, @2017 [Линк](#)
 365. Tatar, S., Ulusoy, S. Analysis of direct and inverse problems for a fractional elastoplasticity model (2017) *Filomat*, 31 (3), pp. 699-708. DOI: 10.2298/FIL1703699T, @2017
 366. Karite, T., Boutoulout, A., Torres, D.F.M. Enlarged controllability of Riemann-Liouville fractional differential equations (2018) *Journal of Computational and Nonlinear Dynamics*, 13 (9), art. no. 090907, ., @2018 [Линк](#)
 367. Zhou, Y. Attractivity for fractional evolution equations with almost sectorial operators (2018) *Fractional Calculus and Applied Analysis*, 21 (3), pp. 786-800., @2018 [Линк](#)
 368. Alvarez, E., Lizama, C. The super-diffusive singular perturbation problem (2020) *Mathematics*, 8 (3), art. no. 403, . DOI: 10.3390/math8030403, @2020 [Линк](#)
 369. Jiang, S., Wu, Y. An inverse space-dependent source problem for a multi-term time fractional diffusion equation (2020) *Journal of Mathematical Physics*, 61 (12), art. no. 121502, DOI: 10.1063/5.0007738, @2020 [Линк](#)
 370. Henríquez, H.R., Poblete, V., Pozo, J.C. Existence of solutions for the semilinear abstract Cauchy problem of fractional order (2021) *Fractional Calculus and Applied Analysis*, 24 (5), pp. 1409-1444. DOI: 10.1515/fca-2021-0060, @2021 [Линк](#)
 371. Cardone, A., Frasca-Caccia, G. On the Solution of Time-Fractional Diffusion Models (2022) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 13375 LNCS, pp. 47-60., @2022 [Линк](#)
 372. Qu, H., Zhou, J., Zhang, T. Three-Point Boundary Value Problems of Coupled Nonlocal Laplacian Equations (2022) *Mathematics*, 10 (13), art. no. 2204 DOI: 10.3390/math10132204, @2022 [Линк](#)
 373. Zhou, Y., He, J.W. A Cauchy problem for fractional evolution equations with Hilfer's fractional derivative on semi-infinite interval (2022) *Fractional Calculus and Applied Analysis*, 25 (3), pp. 924-961., @2022 [Линк](#)
 374. Cai, R.-Y., Kou, C.-H. Mittag-Leffler stabilization for coupled fractional reaction-diffusion neural networks subject to boundary matched disturbance (2023) *Mathematical Methods in the Applied Sciences*, 46 (3), pp. 3143-3156., @2023 [Линк](#)
 375. Shi, C., Bin, M. RELAXATION IN NONCONVEX OPTIMAL CONTROL PROBLEMS DESCRIBED BY EVOLUTION RIEMANN-LIOUVILLE FRACTIONAL DIFFERENTIAL INCLUSIONS (2023) *Journal of Industrial and Management Optimization*, 19 (7), pp. 5380-5397., @2023 [Линк](#)
 376. Zhu, J. Existence of solutions for semilinear fractional integro-differential equations with nonlocal conditions (2023) *Fixed Point Theory*, 24 (2), pp. 787-804., @2023 [Линк](#)
11. **Bazhlekova, E.** Strict L_p solutions for nonautonomous fractional evolution equations. *Math. Balkanica (N. S.)*, 26, 1-2, 2012, ISSN:0205-3217, 25-34
- Цитира се в:
377. Dubey, S., Sharma, M. Solutions to fractional functional differential equations with nonlocal conditions (2014) *Fractional Calculus and Applied Analysis*, 17 (3), pp. 654-673, @2014
 378. Ciprian Gal, Mahamadi Warma. Fractional-in-time semilinear parabolic equations and applications. 2017. HAL Id: hal-01578788, pp. 1-140, @2017 [Линк](#)
 379. Sytnyk, D.; Wohlmuth, B. Abstract Fractional Cauchy Problem: Existence of Propagators and Inhomogeneous Solution Representation. *Fractal Fract.* 2023, 7, 698., @2023 [Линк](#)
-
- 2013**
-
12. **Bazhlekova, E., Dimovski, I.** Exact solution for the fractional cable equation with nonlocal boundary conditions. *Central European Journal of Physics*, 11, 10, 2013, ISSN:1895-1082, 1304-1313. JCR-IF (Web of Science):1.077
- Цитира се в:
380. Dubey, S., Sharma, M., Solutions to fractional functional differential equations with nonlocal conditions (2014) *Fractional Calculus and Applied Analysis*, 17 (3), pp. 654-673., @2014
 381. Bhrawy, A.H., Zaky, M.A. Numerical simulation for two-dimensional variable-order fractional nonlinear cable equation (2015) *Nonlinear Dynamics*, 80 (1-2), pp. 101-116. DOI: 10.1007/s11071-014-1854-7, @2015

382. Saxena, R. K. "Analytical solution of extended fractional space-time cable equation associated with Hilfer and Riemann-Liouville." 2015 J. of Ramanujan Society of Math. and Math. Sc. vol. 4 (2) 2015 pp. 1-22 ISSN: 2319-1023, @2015 [Линк](#) 1.000
 383. Saxena, R. K., Tomovski, Z., & Sandev, T. (2015). Analytical Solution of Generalized Space-Time Fractional Cable Equation. Mathematics 2015, 3(2), 153-170; doi:10.3390/math3020153, @2015 1.000
 384. Irandoust-Pakchin, S., Javidi, M., Kheiri, H. Analytical solutions for the fractional nonlinear cable equation using a modified homotopy perturbation and separation of variables methods (2016) Computational Mathematics and Mathematical Physics, 56 (1), pp. 116-131. DOI: 10.1134/S0965542516010103, @2016 1.000
 385. Paneva-Konovska, J. Series in 3-parameter Mittag-Leffler functions – various convergence theorems. Proceedings of ICFDA'16, Novi Sad, Serbia, Serbian Society of Mechanics and Faculty of Technical Sciences Novi Sad, 2016, ISBN:ISBN 978-86-7892-830, 786-789, @2016 1.000
 386. Paneva-Konovska, J., From Bessel to Multi-Index Mittag–Leffler Functions, World Scientific, 2016, ISBN: 978-1-78634-088-7, @2016 [Линк](#) 1.000
 387. Li, M., Pu, H., Cao, L. Variable-order fractional creep model of mudstone under high-temperature (2017) Thermal Science, 21, pp. S343-S349. DOI: 10.2298/TSCI17S1343L, @2017 1.000
 388. Paneva-Konovska, Jordanka. "Bessel type functions: Relations with integrals and derivatives of arbitrary orders." AIP Conference Proceedings. Vol. 2048. No. 1. AIP Publishing, 2018., @2018 [Линк](#) 1.000
 389. Paneva-Konovska, Jordanka. "Differential and integral relations in the class of multi-index mittag-leffler functions." Fractional Calculus and Applied Analysis 21.1 (2018): 254-265., @2018 [Линк](#) 1.000
 390. Paneva-Konovska, J. A survey on Bessel type functions as multi-index Mittag-Leffler functions: Differential and integral relations (2019) International Journal of Applied Mathematics, 32 (3), pp. 357-380. DOI: 10.12732/ijam.v32i3.1, @2019 [Линк](#) 1.000
 391. Paneva-Konovska, Jordanka. "Hyper-Bessel functions as multi-index Mittag-Leffler functions: Integrals and derivatives of arbitrary orders." AIP Conference Proceedings. Vol. 2172, 050005, 2019., @2019 [Линк](#) 1.000
 392. Fernandez, A., Kürt, C., Özarslan, M.A. A naturally emerging bivariate Mittag-Leffler function and associated fractional-calculus operators (2020) Computational and Applied Mathematics, 39 (3), art. no. 200 DOI: 10.1007/s40314-020-01224-5, @2020 [Линк](#) 1.000
 393. Gorial, I.I. A novel numerical method for variable fractional order cable model (2020) International Review on Modelling and Simulations, 13 (5), pp. 313-318. DOI: 10.15866/iremos.v13i5.19342, @2020 [Линк](#) 1.000
 394. Cvetičanin, S.M., Zorica, D., Rapaić, M.R. Non-local telegrapher's equation as a transmission line model (2021) Applied Mathematics and Computation, 390, art. no. 125602 DOI: 10.1016/j.amc.2020.125602, @2021 [Линк](#) 1.000
 395. Mishra, K.K., Dubey, S. On Space-Fractional Diffusion Equations with Conformable Derivative (2021) Communications in Computer and Information Science, 1345, pp. 79-90. DOI: 10.1007/978-981-16-4772-7_6, @2021 [Линк](#) 1.000
 396. Paneva-Konovska, J. Bessel type functions as multi-index Mittag-Leffler functions: Erdélyi-Kober integral relations (2021) AIP Conference Proceedings, 2333, art. no. 060003. DOI: 10.1063/5.0041835, @2021 [Линк](#) 1.000
 397. Paneva-Konovska, J. Hyper-Bessel Functions as Multi-Index Mittag-Leffler Functions: Relations Containing Generalized Erdelyi-Kober Fractional Integrals (2022) AIP Conference Proceedings, 2505, art. no. 050005 DOI: 10.1063/5.0100734, @2022 [Линк](#) 1.000
 398. Paneva-Konovska, J. Taylor Series for the Mittag–Leffler Functions and Their Multi-Index Analogues (2022) Mathematics, 10 (22), art. no. 4305 DOI: 10.3390/math10224305, @2022 [Линк](#) 1.000
 399. Zorica, D., Cvetičanin, S. "Transmission line modeling by fractional and topological generalization of the telegrapher's equation." Fractional-Order Modeling of Dynamic Systems with Applications in Optimization, Signal Processing and Control. Academic Press, 2022, pp. 355-401., @2022 [Линк](#) 1.000
 400. Kumar, D. "Unified space-time fractional cable equation". International Journal of Nonlinear Analysis and Applications, 14, 10, 2023, 315-325. doi: 10.22075/ijnaa.2021.24682.2796, @2023 [Линк](#) 1.000
 401. Paneva-Konovska, J. Prabhakar function of Le Roy type: a set of results in the complex plane (2023) Fractional Calculus and Applied Analysis, DOI: 10.1007/s13540-022-00116-1, @2023 [Линк](#) 1.000
13. **Bazhlekova, E., Dimovski, I.** Time-fractional Thornley's problem. Journal of Inequalities and Special Functions, 4, 1, 2013, ISSN:2217-4303, 21-35
Цитира се в:
402. Garra, R., Garrappa, R. The Prabhakar or three parameter Mittag–Leffler function: Theory and application (2018) Communications in Nonlinear Science and Numerical Simulation, 56, pp. 314-329., @2018 [Линк](#) 1.000
 403. Derakhshan, M.H., Ansari, A. Numerical approximation to Prabhakar fractional Sturm–Liouville problem (2019) Computational and Applied Mathematics, 38 (2), art. no. 71. DOI: 10.1007/s40314-019-0826-4, @2019 [Линк](#) 1.000
 404. Gorenflo, R., Kilbas, A.A., Mainardi, F., Rogosin, S. Mittag-Leffler functions, related topics and applications: Second Edition (2020) Springer Monographs in Mathematics, pp. 1-537., @2020 [Линк](#) 1.000
14. **Bazhlekova, E.** On a nonlocal boundary value problem for the two-term time-fractional diffusion-wave equation. In: American Institute of Physics - Conference Proceedings, 2013, ISSN:0094-243, 172-183. SJR:0.161
Цитира се в:
405. Mamchuev, M.O. Solutions of the main boundary value problems for the time-fractional telegraph equation by the green function method (2017) Fractional Calculus and Applied Analysis, 20 (1), pp. 190-211. DOI: 10.1515/fca-2017-0010, @2017 1.000

406. Pskhu, A., Rekhviashvili, S. Fractional diffusion–wave equation with application in electrodynamics (2020) Mathematics, 8 (11), art. no. 2086, pp. 1-13. DOI: 10.3390/math8112086, @2020 [Линк](#) 1.000
 407. Pskhu, Arsen. "Green Functions of the First Boundary-Value Problem for a Fractional Diffusion—Wave Equation in Multidimensional Domains." Mathematics 8.4 (2020): 464., @2020 [Линк](#) 1.000
 408. Pskhu, A.V. D'Alembert Formula for Diffusion-Wave Equation (2023) Lobachevskii Journal of Mathematics, 44 (2), pp. 644-652., @2023 [Линк](#) 1.000
15. **Bazhlekova, E..** Series solution of a nonlocal problem for a time-fractional diffusion-wave equation with damping. C. R. Acad. Bulg. Sci., 2013, ISSN:1310-1331, 1091-1096. ISI IF:0.211

Цумура се е:

409. Gorenflo, R., A.A. Kilbas, F. Mainardi, S. V. Rogosin. "Mittag-Leffler Functions: Related Topics and Applications." Springer Monographs in Mathematics, @2014 1.000
 410. Vasylyeva, N. Cauchy–Dirichlet Problem to Semilinear Multi-Term Fractional Differential Equations (2023) Fractal and Fractional, 7 (3), art. no. 249, @2023 [Линк](#) 1.000
16. **Bazhlekova, E..** Properties of the fundamental and the impulse-response solutions of multi-term fractional differential equations,. In: Complex Analysis and Applications '13, 2013, ISBN:978-954-8986-37-3, 55-64

Цумура се е:

411. Atanackovic, T., D. Dolicanin, S. Pilipovic, B. Stankovic, Cauchy problems for some classes of linear fractional differential equations, Fractional Calculus and Applied Analysis, 2014, Vol. 17, Iss. 4, 1039-1059, @2014 1.000
412. Choudhary, S., V. Daftardar-Gejji, Nonlinear multi-order fractional differential equations with periodic/anti-periodic boundary conditions, Fractional Calculus and Applied Analysis, 2014, Vol. 17, Iss. 2, 333-347, @2014 1.000
413. Jin, B., Lazarov, R., Liu, Y., Zhou, Z. The Galerkin finite element method for a multi-term time-fractional diffusion equation (2015) Journal of Computational Physics, 281, pp. 825-843. DOI: 10.1016/j.jcp.2014.10.051, @2015 1.000
414. Li, Z., Liu, Y., Yamamoto, M. Initial-boundary value problems for multi-term time-fractional diffusion equations with positive constant coefficients (2015) Applied Mathematics and Computation, 257, pp. 381-397. DOI: 10.1016/j.amc.2014.11.073, @2015 1.000
415. Zhou, Z. (2015). Numerical Analysis of Fractional-Order Differential Equations with Nonsmooth Data (Doctoral dissertation, Texas A&M University). ProQuest Dissertations Publishing, 2015. 3738295., @2015 [Линк](#) 1.000
416. Dai, Qun, et al. "Blowing-up solutions of multi-order fractional differential equations with the periodic boundary condition." Advances in Difference Equations 2017.1 (2017): 130. DOI:10.1186/s13662-017-1180-8, @2017 [Линк](#) 1.000
417. Liu, Y. Strong maximum principle for multi-term time-fractional diffusion equations and its application to an inverse source problem (2017) Computers and Mathematics with Applications, 73 (1), pp. 96-108. DOI: 10.1016/j.camwa.2016.10.021, @2017 1.000
418. Sun, Chunlong, Gongsheng Li, and Xianzheng Jia. "Numerical Inversion for the Initial Distribution in the Multi-Term Time-Fractional Diffusion Equation Using Final Observations." Advances in Applied Mathematics and Mechanics 9.6 (2017): 1525-1546., @2017 [Линк](#) 1.000
419. Krasnoshchok, Mykola V. Optimal control problem for an equation of filtration with memory Proceedings of IAMM of NAS of Ukraine, 2019, Volume 33, pp. 142-157, @2019 [Линк](#) 1.000
420. Dai, Q., Gao, R., Li, Z., Wang, C. Stability of Ulam–Hyers and Ulam–Hyers–Rassias for a class of fractional differential equations (2020) Advances in Difference Equations, 2020 (1), art. no. 103. DOI: 10.1186/s13662-020-02558-4, @2020 [Линк](#) 1.000
421. Huseynov, I. T., Ahmadovay, A., Ojo, G. O., & Mahmudov, N. I. (2020). A natural extension of Mittag-Leffler function associated with a triple infinite series. arXiv preprint arXiv:2011.03999., @2020 [Линк](#) 1.000
422. Huseynov, Ismail T., Arzu Ahmadova, and Nazim I. Mahmudov. "Fractional Leibniz integral rules for Riemann-Liouville and Caputo fractional derivatives and their applications." arXiv preprint arXiv:2012.11360 (2020)., @2020 [Линк](#) 1.000
423. MAHMUDOV, NAZIM I., ISMAIL T. HUSEYNOV, NIHAN A. ALIEV, and FIKRET A. ALIEV. "Analytical approach to a class of Bagley-Torvik equations." TWMS Journal of Pure and Applied Mathematics 11, no. 2 (2020)., @2020 [Линк](#) 1.000
424. Ahmadova, A., Huseynov, I.T., Fernandez, A., Mahmudov, N.I. Trivariate Mittag-Leffler functions used to solve multi-order systems of fractional differential equations (2021) Communications in Nonlinear Science and Numerical Simulation, 97, art. no. 105735. DOI: 10.1016/j.cnsns.2021.105735, @2021 [Линк](#) 1.000
425. Ahmadova, A., Mahmudov, N.I. Langevin differential equations with general fractional orders and their applications to electric circuit theory (2021) Journal of Computational and Applied Mathematics, 388, art. no. 113299. DOI: 10.1016/j.cam.2020.113299, @2021 [Линк](#) 1.000
426. Huseynov, I.T., Mahmudov, N.I. A class of Langevin time-delay differential equations with general fractional orders and their applications to vibration theory (2021) Journal of King Saud University - Science, 33 (8), art. no. 101596. DOI: 10.1016/j.jksus.2021.101596, @2021 [Линк](#) 1.000
427. Ahmadova, A., Huseynov, I.T., Mahmudov, N.I. EXISTENCE AND STABILITY RESULTS ON MULTIDIMENSIONAL FRACTIONAL-ORDER SYSTEMS (2022) Rocky Mountain Journal of Mathematics, 52 (1), pp. 1-14. DOI: 10.1216/RMJ.2022.52.1, @2022 [Линк](#) 1.000
428. Huseynov, I.T., Ahmadova, A., Mahmudov, N.I. On a study of Sobolev-type fractional functional evolution equations (2022) Mathematical Methods in the Applied Sciences, 45 (9), pp. 5002-5042. DOI: 10.1002/mma.8090, @2022 [Линк](#) 1.000
429. Mahmudov, N.I., Ahmadova, A., Huseynov, I.T. A novel technique for solving Sobolev-type fractional multi-order evolution equations (2022) Computational and Applied Mathematics, 41 (2), art. no. 71 DOI: 10.1007/s40314-022-01781-x, @2022 [Линк](#) 1.000

430. Chang, M., Sun, L., Wang, Y. TWO REGULARIZATION METHODS FOR IDENTIFYING THE UNKNOWN SOURCE IN A MULTITERM TIME- FRACTIONAL DIFFUSION EQUATION (2023) Rocky Mountain Journal of Mathematics, 53 (5), pp. 1387-1414., @2023 [Линк](#) 1.000
431. Hussain, K.H. Stability Results for a Class of Nonlinear Caputo Volterra-Fredholm System: Physics and Engineering Application (2023) Mathematical Modelling of Engineering Problems, 10 (2), pp. 681-686., @2023 [Линк](#) 1.000
432. Sun, L.L., Chang, M.L. Galerkin spectral method for a multi-term time-fractional diffusion equation and an application to inverse source problem (2023) Networks and Heterogeneous Media, 18 (1), pp. 212-243. DOI: 10.3934/nhm.2023008, @2023 [Линк](#) 1.000
433. Wen, J., Wang, Y.-P., Wang, Y.-X., Wang, Y.-Q. The quasi-reversibility regularization method for backward problem of the multi-term time-space fractional diffusion equation (2024) Communications in Nonlinear Science and Numerical Simulation, 131, art. no. 107848, DOI: 10.1016/j.cnsns.2024.107848, @2024 [Линк](#) 1.000

2014

17. **Bazhlekova, E., Dimovski, I.** Exact solution of two-term time-fractional Thornleys problem by operational method. Integral Transforms and Special Functions, 25, 1, 2014, ISSN:1065-2469, 61-74. JCR-IF (Web of Science):0.723

Цитира се в:

434. Babak, P., Azaiez, J. Unified fluid flow model for pressure transient analysis in naturally fractured media (2015) Journal of Physics A: Mathematical and Theoretical, 48 (17), art. no. 175202, . DOI: 10.1088/1751-8113/48/17/175202, @2015 1.000
435. Paneva-Konovska, J. From Bessel to multi-index Mittag-Leffler functions: Enumerable families, series in them and convergence (2016) pp. 1-205. World Scientific, 2016, ISBN: 978-1-78634-088-7, @2016 [Линк](#) 1.000
436. Paneva-Konovska, J. Series in 3-parameter Mittag-Leffler functions – various convergence theorems. Proceedings of ICFDA'16, Novi Sad, Serbia, Serbian Society of Mechanics and Faculty of Technical Sciences Novi Sad, 2016, ISBN 978-86-7892-830, pp. 786-789, @2016 1.000
437. Bengochea, G., Ortigueira, M.D. An operational approach to solve fractional continuous–time linear systems (2017) International Journal of Dynamics and Control, 5 (1), pp. 61-71. DOI: 10.1007/s40435-015-0220-z, @2017 1.000
438. Paneva-Konovska, J. Overconvergence of series in generalized mittag-leffler functions (2017) Fractional Calculus and Applied Analysis, 20 (2), pp. 506-520. DOI: 10.1515/fca-2017-0026, @2017 1.000
439. Paneva-Konovska, Jordanka. "Inequalities for the partial sums of some Mittag-Leffler type series." Journal of Inequalities and Special Functions, Vol. 8 Iss. 1(2017), p. 42-47., @2017 1.000
440. Garra, R., Garrappa, R. The Prabhakar or three parameter Mittag–Leffler function: Theory and application (2018) Communications in Nonlinear Science and Numerical Simulation, 56, pp. 314-329., @2018 [Линк](#) 1.000
441. Guo, B., Guo, C., Liu, Y., Li, Q. (2018) Non-Newtonian Fluids: A Dynamical Systems Approach, pp. 1-340., @2018 [Линк](#) 1.000
442. Kawamoto, A. Hölder stability estimate in an inverse source problem for a first and half order time fractional diffusion equation (2018) Inverse Problems and Imaging, 12 (2), pp. 315-330., @2018 [Линк](#) 1.000
443. Navickas, Z., Telksnys, T., Timofejeva, I., Marcinkevičius, R., Ragulskis, M. An operator-based approach for the construction of closed-form solutions to fractional differential equations (2018) Mathematical Modelling and Analysis, 23 (4), pp. 665-685., @2018 [Линк](#) 1.000
444. Gorenflo, R., Kilbas, A.A., Mainardi, F., Rogosin, S. Mittag-Leffler functions, related topics and applications: Second Edition (2020) Springer Monographs in Mathematics, pp. 1-537., @2020 [Линк](#) 1.000
445. Kawamoto, Atsushi, and Manabu Machida. "Lipschitz stability in inverse source and inverse coefficient problems for a first-and half-order time-fractional diffusion equation." SIAM Journal on Mathematical Analysis 52.1 (2020): 967-1005., @2020 [Линк](#) 1.000
446. Mainardi, F. Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models, 2nd Edition (2022) pp. 1-587., @2022 [Линк](#) 1.000
447. Dubey, V.P., Singh, J., Dubey, S., Kumar, D. Some Integral Transform Results for Hilfer–Prabhakar Fractional Derivative and Analysis of Free-Electron Laser Equation (2023) Iranian Journal of Science, 47 (4), pp. 1333-1342., @2023 [Линк](#) 1.000
448. Ilyas, A., Malik, S.A., Saif, S. On the solvability of direct and inverse problems for a generalized diffusion equation (2023) Physica Scripta, 98 (12), art. no. 125221, @2023 [Линк](#) 1.000

18. **Bazhlekova, E., Bazhlekova, I.** Viscoelastic flows with fractional derivative models: computational approach via convolutional calculus of Dimovski. Fract. Calc. Appl. Anal., 17, 4, 2014, ISSN:1311-0454, DOI:10.2478/s13540-014-0209-x, 954-976. JCR-IF (Web of Science):2.974

Цитира се в:

449. Ahmadian, A., Salahshour, S., Baleanu, D., Amirkhani, H., Yunus, R. Tau method for the numerical solution of a fuzzy fractional kinetic model and its application to the oil palm frond as a promising source of xylose (2015) Journal of Computational Physics, 294, pp. 562-584. https://doi.org/10.1016/j.jcp.2015.03.011, @2015 [Линк](#) 1.000
450. Kang, J., Liu, Y., Xia, T. Unsteady flows of a generalized fractional Burgers' fluid between two side walls perpendicular to a plate (2015) Advances in Mathematical Physics, 2015, art. no. 521069, 9 pages . http://dx.doi.org/10.1155/2015/521069, @2015 [Линк](#) 1.000
451. Devillanova, Giuseppe, and Giuseppe Carlo Marano. "A free fractional viscous oscillator as a forced standard damped vibration." Fractional Calculus and Applied Analysis 19.2 (2016): 319-356. https://doi.org/10.1515/fca-2016-0018, @2016 [Линк](#) 1.000

452. Fan, Wenping, Xiaoyun Jiang, and Shanzhen Chen. "Parameter estimation for the fractional fractal diffusion model based on its numerical solution." *1.000*
Computers & Mathematics with Applications 71.2 (2016): 642-651. <https://doi.org/10.1016/j.camwa.2015.12.030>, @2016 [Линк](#)
453. Fan, Wenping, et al. "A novel unstructured mesh finite element method for solving the time-space fractional wave equation on a two-dimensional
irregular convex domain." *Fractional Calculus and Applied Analysis* 20.2 (2017): 352-383. <https://doi.org/10.1515/fca-2017-0019>, @2017 [Линк](#) *1.000*
454. Feng, Libo, et al. "Numerical methods and analysis for simulating the flow of a generalized Oldroyd-B fluid between two infinite parallel rigid plates." *1.000*
International Journal of Heat and Mass Transfer 115 (2017): 1309-1320. <https://doi.org/10.1016/j.ijheatmasstransfer.2017.08.105>, @2017 [Линк](#)
455. Hasan, Shatha, et al. "Second Order Fuzzy Fractional Differential Equations Under Caputo's H-Differentiability", *Appl. Math. Inf. Sci.* 11, No. 6, *1.000*
1597-1608 (2017) doi:10.18576/amis/110606, @2017 [Линк](#)
456. Jiang, Yuting, et al. "Transient electroosmotic slip flow of fractional Oldroyd-B fluids." *Microfluidics and Nanofluidics* 21.1 (2017): 7. *1.000*
<https://doi.org/10.1007/s10404-016-1843-x>, @2017 [Линк](#)
457. Pakdaman, M., et al. "Solving differential equations of fractional order using an optimization technique based on training artificial neural network." *1.000*
Applied Mathematics and Computation 293 (2017): 81-95. <https://doi.org/10.1016/j.amc.2016.07.021>, @2017 [Линк](#)
458. Tabatabaei, S. Sepehr, Heidar Ali Talebi, and Mahdi Tavakoli. "A novel adaptive order/parameter identification method for variable order systems
application in viscoelastic soft tissue modeling." *Chaos, Solitons & Fractals* 102 (2017): 447-455. *1.000*
<https://doi.org/10.1016/j.chaos.2017.04.005>, @2017 [Линк](#)
459. Talib, I., Belgacem, F.B.M., Asif, N.A., Khalil, H. On mixed derivatives type high dimensional multi-term fractional partial differential equations
approximate solutions (2017) *AIP Conference Proceedings*, 1798, art. no. 020024 <https://doi.org/10.1063/1.4972616>, @2017 [Линк](#) *1.000*
460. Zhang, Y., Zhao, H., Liu, F., Bai, Y. Analytical and numerical solutions of the unsteady 2D flow of MHD fractional Maxwell fluid induced by variable
pressure gradient (2017) *Computers and Mathematics with Applications*, <https://doi.org/10.1016/j.camwa.2017.10.035>, @2017 [Линк](#) *1.000*
461. Al-Maskari, M. & Karaa, S. "Galerkin FEM for a time-fractional Oldroyd-B fluid problem". arXiv:1811.01342, @2018 [Линк](#) *1.000*
462. Baleanu, D., Fernandez, A. On some new properties of fractional derivatives with Mittag-Leffler kernel (2018) *Communications in Nonlinear* *1.000*
Science and Numerical Simulation, 59, pp. 444-462., @2018 [Линк](#)
463. Feng, L., Liu, F., Turner, I., et al. (2018). Novel numerical analysis of multi-term time fractional viscoelastic non-newtonian fluid models for
simulating unsteady MHD Couette flow of a generalized Oldroyd-B fluid. *Fractional Calculus and Applied Analysis*, 21(4), pp. 1073-
1103., @2018 [Линк](#) *1.000*
464. Guo, B., Guo, C., Liu, Y., Li, Q. Non-newtonian fluids: A dynamical systems approach (2018) *Non-Newtonian Fluids: A Dynamical Systems* *1.000*
Approach, pp. 1-340. DOI: 10.1515/9783110549614, @2018 [Линк](#)
465. Hausenblas, E., Kovács, M. Global solutions to stochastic Volterra equations driven by Lévy noise (2018) *Fractional Calculus and Applied Analysis*, *1.000*
21 (5), pp. 1170-1202. DOI: 10.1515/fca-2018-0064, @2018 [Линк](#)
466. Li, H., Jiang, W. A space-time spectral collocation method for the 2-dimensional nonlinear Riesz space fractional diffusion equations (2018) *1.000*
Mathematical Methods in the Applied Sciences, 41 (16), pp. 6130-6144., @2018 [Линк](#)
467. Liu, Yanqin, et al. "Finite difference scheme for simulating a generalized two-dimensional multi-term time fractional non-Newtonian fluid model." *1.000*
Advances in Difference Equations 2018.1 (2018): 442., @2018 [Линк](#)
468. Riaz, M. B., and A. A. Zafar. "Exact solutions for the blood flow through a circular tube under the influence of a magnetic field using fractional
Caputo-Fabrizio derivatives." *Mathematical Modelling of Natural Phenomena* 13.1 (2018): 8. *1.000*
<https://doi.org/10.1051/mmnp/2018005>, @2018 [Линк](#)
469. Zafar, A.A., Riaz, M.B., Shah, N.A. et al. Influence of non-integer-order derivatives on unsteady unidirectional motions of an Oldroyd-B fluid with
generalized boundary conditions, *Eur. Phys. J. Plus* (2018) 133: 127. <https://doi.org/10.1140/epjp/i2018-11981-4>, @2018 [Линк](#) *1.000*
470. Zhang, Y., Zhao, H., Liu, F., Bai, Y. Analytical and numerical solutions of the unsteady 2D flow of MHD fractional Maxwell fluid induced by variable
pressure gradient (2018) *Computers and Mathematics with Applications*, 75 (3), pp. 965-980., @2018 [Линк](#) *1.000*
471. Al-Maskari, M., Karaa, S. Galerkin FEM for a time-fractional Oldroyd-B fluid problem (2019) *Advances in Computational Mathematics*, 45 (2), pp. *1.000*
1005-1029. DOI: 10.1007/s10444-018-9649-x, @2019 [Линк](#)
472. Feng, L. Numerical investigation and application of fractional dynamical systems, Doctoral dissertation, Queensland University of Technology, *1.000*
2019, 235 pages., @2019 [Линк](#)
473. Feng, Libo, Fawang Liu, and Ian Turner. "Finite difference/finite element method for a novel 2D multi-term time-fractional mixed sub-diffusion and
diffusion-wave equation on convex domains." *Communications in Nonlinear Science and Numerical Simulation* 70 (2019): 354-
371., @2019 [Линк](#) *1.000*
474. Li, H., Jiang, W., Li, W. Space-time spectral method for the Cattaneo equation with time fractional derivative (2019) *Applied Mathematics and* *1.000*
Computation, 349, pp. 325-336. DOI: 10.1016/j.amc.2018.12.050, @2019 [Линк](#)
475. Liu, Y., Liu, F., Feng, L., & Xin, B. (2019). Novel numerical analysis for simulating the generalized 2D multi-term time fractional Oldroyd-B fluid
model. arXiv preprint arXiv:1903.07816., @2019 [Линк](#) *1.000*
476. Yang, X., Jiang, X., Zhang, H. Finite difference spectral approximation for the time-space fractional telegraph equation and its parameter estimation *1.000*
(2019) *Mathematical Methods in the Applied Sciences*, 42 (18), pp. 6475-6489. DOI: 10.1002/mma.5752, @2019 [Линк](#)
477. Bai, Y., Huo, L., Zhang, Y. Unsteady stagnation-point flow and heat transfer of fractional Maxwell fluid towards a time dependent stretching plate *1.000*
with generalized Fourier's law (2020) *International Journal of Numerical Methods for Heat and Fluid Flow*, 31 (4), pp. 1345-1368. DOI:
10.1108/HFF-04-2020-0217, @2020 [Линк](#)

478. Hammachukiattikul, P., Mohanapriya, A., Ganesh, A., Rajchakit, G., Govindan, V., Gunasekaran, N., Lim, C.P. A study on fractional differential equations using the fractional Fourier transform (2020) *Advances in Difference Equations*, 2020 (1), art. no. 691, . DOI: 10.1186/s13662-020-03148-0, @2020 [Линк](#) 1.000
479. Li, Y., Sun, C., Ling, H., Lu, A., Liu, Y. Oligopolies price game in fractional order system (2020) *Chaos, Solitons and Fractals*, 132, art. no. 109583, . DOI: 10.1016/j.chaos.2019.109583, @2020 [Линк](#) 1.000
480. Liu, Y., Sun, H.G., Yin, X., Feng, L. Fully discrete spectral method for solving a novel multi-term time-fractional mixed diffusion and diffusion-wave equation (2020) *Zeitschrift fur Angewandte Mathematik und Physik*, 71 (1), art. no. 21, . DOI: 10.1007/s00033-019-1244-6, @2020 [Линк](#) 1.000
481. Unyong, B., Mohanapriya, A., Ganesh, A., Rajchakit, G., Govindan, V., Vadivel, R., Gunasekaran, N., Lim, C.P. Fractional Fourier transform and stability of fractional differential equation on Lizorkin space (2020) *Advances in Difference Equations*, 2020 (1), art. no. 578 DOI: 10.1186/s13662-020-03046-5, @2020 [Линк](#) 1.000
482. Wang, X., Jiang, Y., Qiao, Y., Xu, H., Qi, H. Numerical study of electroosmotic slip flow of fractional Oldroyd-B fluids at high zeta potentials (2020) *Electrophoresis*, 41 (10-11), pp. 769-777 DOI: 10.1002/elps.201900370, @2020 [Линк](#) 1.000
483. Bai, Y., Huo, L., Zhang, Y. Unsteady stagnation-point flow and heat transfer of fractional Maxwell fluid towards a time dependent stretching plate with generalized Fourier's law (2021) *International Journal of Numerical Methods for Heat and Fluid Flow*, 31 (4), pp. 1345-1368. DOI: 10.1108/HFF-04-2020-0217, @2021 [Линк](#) 1.000
484. Chi, X., Jiang, X. Finite difference Laguerre-Legendre spectral method for the two-dimensional generalized Oldroyd-B fluid on a semi-infinite domain (2021) *Applied Mathematics and Computation*, 402, art. no. 126138. DOI: 10.1016/j.amc.2021.126138, @2021 [Линк](#) 1.000
485. Dehghan Nezhad, Akbar, and Mina Moghaddam. "Toward a new understanding of cohomological method for fractional partial differential equations." *Computational Methods for Differential Equations* (2021), Vol. 9, No. 4, pp. 959-976 DOI:10.22034/cmde.2020.39020.1710, @2021 [Линк](#) 1.000
486. Dilmi, M., Dilmi, M., Benseridi, H. Variational formulation and asymptotic analysis of viscoelastic problem with Riemann-Liouville fractional derivatives (2021) *Mathematical Methods in the Applied Sciences*, 44 (3), pp. 2294-2313. DOI: 10.1002/mma.5775, @2021 [Линк](#) 1.000
487. Iftikhar, N., Riaz, M.B., Awrejcewicz, J., Akgül, A. Effect of magnetic field with parabolic motion on fractional second grade fluid (2021) *Fractal and Fractional*, 5 (4), art. no. 163. DOI: 10.3390/fractalfract5040163, @2021 [Линк](#) 1.000
488. Long, L.D. Remarks on the Systems of Semilinear Fractional Rayleigh-Stokes Equation (2021) *Advances in Mathematical Physics*, 2021, art. no. 6880435. DOI: 10.1155/2021/6880435, @2021 [Линк](#) 1.000
489. Luc, N.H., Lan, D., O'Regan, D., Tuan, N.A., Zhou, Y. On the initial value problem for the nonlinear fractional Rayleigh-Stokes equation (2021) *Journal of Fixed Point Theory and Applications*, 23 (4), art. no. 60. DOI: 10.1007/s11784-021-00897-7, @2021 [Линк](#) 1.000
490. Tri, V.V. Existence of an initial value problem for time-fractional oldroyd-b fluid equation using banach fixed point theorem (2021) *Advances in the Theory of Nonlinear Analysis and its Applications*, 5 (4), pp. 523-530. DOI: 10.31197/ATNAA.943242, @2021 [Линк](#) 1.000
491. Abd El-Latief, A.M., Abd-elhameid, A.M. The memory time effects for unsteady seas and oceans water flow through the limestone porous medium in the presence of chemical reaction and Soret effects (2022) *ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik*, 102 (5), art. no. e201900057 DOI: 10.1002/zamm.201900057, @2022 [Линк](#) 1.000
492. Adate, A., Tripathy, B.K. A Survey on Deep Learning Methodologies of Recent Applications (2022) *Studies in Big Data*, 91, pp. 145-170. DOI: 10.1007/978-3-030-75855-4_9, @2022 [Линк](#) 1.000
493. Chen, P., Wang, B., Tian, Y., Yang, Y. Mittag-Leffler stability and finite-time control for a fractional-order hydraulic turbine governing system with mechanical time delay: An linear matrix inequality approach (2022) *JVC/Journal of Vibration and Control*, 28 (13-14), pp. 1643-1654. DOI: 10.1177/1077546321997594, @2022 [Линк](#) 1.000
494. Dai, P., Yu, X. An Artificial Neural Network Approach for Solving Space Fractional Differential Equations (2022) *Symmetry*, 14 (3), art. no. 535, DOI: 10.3390/sym14030535, @2022 [Линк](#) 1.000
495. Du, R.-L., Sun, Z.-Z. A Temporal Second-Order Scheme for Time Fractional Mixed Diffusion and Wave Equation with an Initial Singularity (2022) *Lecture Notes in Networks and Systems*, 452 LNNS, pp. 132-140. DOI: 10.1007/978-3-031-04383-3_15, @2022 [Линк](#) 1.000
496. Ganesh, A., Deepa, S., Baleanu, D., Santra, S.S., Moaaz, O., Govindan, V., Ali, R. Hyers-ulam-mittag-leffler stability of fractional differential equations with two caputo derivative using fractional fourier transform (2022) *AIMS Mathematics*, 7 (2), pp. 1791-1810. DOI: 10.3934/math.2022103, @2022 [Линк](#) 1.000
497. Jafari, H., Kazemi, B.F. Stable RBF-RA method for solving fuzzy fractional kinetic equation (2022) *International Journal of Dynamical Systems and Differential Equations*, 12 (2), pp. 163-182. DOI: 10.1504/IJDSDE.2022.123411, @2022 [Линк](#) 1.000
498. Liu, Y., Yin, X., Liu, F., Xin, X., Shen, Y., Feng, L. An alternating direction implicit legendre spectral method for simulating a 2D multi-term time-fractional Oldroyd-B fluid type diffusion equation (2022) *Computers and Mathematics with Applications*, 113, pp. 160-173. DOI: 10.1016/j.camwa.2022.03.020, @2022 [Линк](#) 1.000
499. Mainardi, F. *Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models*, 2nd Edition (2022) pp. 1-587., @2022 [Линк](#) 1.000
500. Althubiti, S., Kumar, M., Goswami, P., Kumar, K. Artificial neural network for solving the nonlinear singular fractional differential equations (2023) *Applied Mathematics in Science and Engineering*, 31 (1), art. no. 2187389, @2023 [Линк](#) 1.000
501. Kumbinarasaiah, S., Mulimani, M. Fibonacci wavelets-based numerical method for solving fractional order $(1 + 1)$ -dimensional dispersive partial differential equation (2023) *International Journal of Dynamics and Control*, 11 (5), pp. 2232-2255., @2023 [Линк](#) 1.000
502. Sin, C.-S., Choe, H.-S., Rim, J.-U. Initial-boundary value problem for a multiterm time-fractional differential equation and its application to an inverse problem (2023) *Mathematical Methods in the Applied Sciences*, 46 (12), pp. 12960-12978., @2023 [Линк](#) 1.000

503. Guan, Z. Two Novel Difference Schemes for the One-Dimensional Multi-Term Time Fractional Oldroyd-B Equation. Int. J. Appl. Comput. Math 10, 1.000 126 (2024)., @2024 [Линк](#)
504. Messaoudi, H., Ardjouni, A., Zitouni, S. Existence and Uniqueness of Solutions for Time-Fractional Oldroyd-B Fluid Equations with Generalized Fractional Derivatives (2024) Journal of Nonlinear Modeling and Analysis, 6 (1), pp. 142-151., @2024 [Линк](#)

2015

19. **Bazhlekov I., Vasileva D., Bazhlekova E.** Mathematical modelling of the effect of biosurfactants on the surface tension. Biomath Communications, 2, 1, 2015, ISSN:2367-5233 (x)

Цитира се в:

505. Farzi, Reza, and Feridun Esmaeilzadeh. "Prediction of surface tension of pure hydrocarbons using Esmaeilzadeh-Roshanfekar equation of state and group contribution method." Fluid Phase Equilibria 427 (2016): 353-361. <https://www.sciencedirect.com/science/article/pii/S0378381216303685>, @2016 [Линк](#)

20. **Bazhlekova, E., Jin, B., Lazarov, R., Zhou, Z.** An analysis of the Rayleigh-Stokes problem for a generalized second-grade fluid. Numerische Mathematik, 131, 1, 2015, ISSN:0029599X, 09453245, DOI:10.1007/s00211-014-0685-2, 1-31. JCR-IF (Web of Science):1.551

Цитира се в:

506. Karaa, Samir, Kassem Mustapha, and Amiya K. Pani. "A priori estimates of a finite element method for fractional diffusion problems by energy arguments." arXiv preprint arXiv:1605.09104 (2016)., @2016
507. Xu, D. The time discretization in classes of integro-differential equations with completely monotonic kernels: Weighted asymptotic convergence (2016) Numerical Methods for Partial Differential Equations, 32 (3), pp. 896-935. DOI: 10.1002/num.22035, @2016
508. Acosta, Gabriel, Francisco M. Bersetche, and Juan Pablo Borthagaray. "Finite element approximations for fractional evolution problems." arXiv preprint arXiv:1705.09815 (2017)., @2017
509. Chen, Y., and Chang-Ming Chen. "Numerical algorithm for solving the Stokes' first problem for a heated generalized second grade fluid with fractional derivative." Numerical Algorithms (2017): 1-15. DOI: 10.1007/s11075-017-0348-3, @2017 [Линк](#)
510. Dehghan, M., Abbaszadeh, M. A finite element method for the numerical solution of Rayleigh–Stokes problem for a heated generalized second grade fluid with fractional derivatives (2017) Engineering with Computers, 33 (3), pp. 587-605. DOI: 10.1007/s00366-016-0491-9, @2017
511. Karaa, Samir, and Amiya K. Pani. "Error analysis of a finite volume element method for fractional order evolution equations with nonsmooth initial data." arXiv preprint arXiv:1702.03485 (2017)., @2017
512. Krasnoschok, M., Pata, V., Vasylyeva, N. Semilinear subdiffusion with memory in the one-dimensional case (2017) Nonlinear Analysis, Theory, Methods and Applications, 165, pp. 1-17. DOI: 10.1016/j.na.2017.09.004, @2017
513. Wang, X., Qi, H., Yu, B., Xiong, Z., Xu, H. Analytical and numerical study of electroosmotic slip flows of fractional second grade fluids (2017) Communications in Nonlinear Science and Numerical Simulation, 50, pp. 77-87. DOI: 10.1016/j.cnsns.2017.02.019, @2017
514. Wang, Xiaoping, Haitao Qi, and Huanying Xu. "Transient electroosmotic flow of generalized second grade fluids under slip boundary conditions." Canadian Journal of Physics (2017). 95 (12) 1313-1320 DOI: 10.1139/cjp-2017-0179, @2017 [Линк](#)
515. Zhu, P., Xie, S., Wang, X. Nonsmooth data error estimates for FEM approximations of the time fractional cable equation (2017) Applied Numerical Mathematics, 121, pp. 170-184. DOI: 10.1016/j.apnum.2017.07.005, @2017
516. Al-Maskari, M. & Karaa, S. "Galerkin FEM for a time-fractional Oldroyd-B fluid problem". arXiv:1811.01342, @2018 [Линк](#) 1.000
517. Al-Maskari, M., Karaa, S. The lumped mass FEM for a time-fractional cable equation (2018) Applied Numerical Mathematics, 132, pp. 73-90., @2018 [Линк](#) 1.000
518. Chen, Y., Chen, C.-M. Numerical algorithm for solving the Stokes' first problem for a heated generalized second grade fluid with fractional derivative (2018) Numerical Algorithms, 77 (3), pp. 939-953. DOI: 10.1007/s11075-017-0348-3, @2018 [Линк](#) 1.000
519. Dzhaferov, R.M. & Krasnoschek, The Cauchy Problem for the Fractional Diffusion Equation in a Weighted Hölder Space, N.V. Sib Math J 59.6 (2018) 1034–1050, @2018 [Линк](#) 1.000
520. Karaa, S., Pani, A.K. Error analysis of a FVEM for fractional order evolution equations with nonsmooth initial data (2018) ESAIM: Mathematical Modelling and Numerical Analysis, 52 (2), pp. 773-801., @2018 [Линк](#) 1.000
521. Krasnoschok, Mykola, Vittorino Pata, and Nataliya Vasylyeva. "Solvability of linear boundary value problems for subdiffusion equations with memory." Journal of Integral Equations and Applications 30.3 (2018): 417-445., @2018 [Линк](#) 1.000
522. Nguyen, A.T., Luu, V.C.H., Nguyen, H.L., Nguyen, H.T., Nguyen, V.T. Identification of source term for the Rayleigh-Stokes problem with Gaussian random noise (2018) Mathematical Methods in the Applied Sciences, 41 (14), pp. 5593-5601., @2018 [Линк](#) 1.000
523. Nie, Daxin, Jing Sun, and Weihua Deng. "Numerical scheme for the Fokker-Planck equations describing anomalous diffusions with two internal states." arXiv preprint arXiv:1811.04723 (2018)., @2018 1.000
524. Salehi, F., Saeedi, H., Moghadam, M.M. Discrete Hahn polynomials for numerical solution of two-dimensional variable-order fractional Rayleigh–Stokes problem (2018) Computational and Applied Mathematics, 37 (4), pp. 5274-5292., @2018 [Линк](#) 1.000
525. Yan, Y., Khan, M., Ford, N.J. An analysis of the modified L1 scheme for time-fractional partial differential equations with nonsmooth data (2018) SIAM Journal on Numerical Analysis, 56 (1), pp. 210-227. DOI: 10.1137/16M1094257, @2018 [Линк](#) 1.000

526. Zaky, M.A. An improved tau method for the multi-dimensional fractional Rayleigh–Stokes problem for a heated generalized second grade fluid (2018) *Computers and Mathematics with Applications*, 75 (7), pp. 2243-2258., @2018 [Линк](#) 1.000
527. Acosta, G., Berssetche, F.M., Borthagaray, J.P. Finite element approximations for fractional evolution problems (2019) *Fractional Calculus and Applied Analysis*, 22 (3), pp. 767-794. DOI: 10.1515/fca-2019-0042, @2019 [Линк](#) 1.000
528. Al-Maskari, M., Karaa, S. Galerkin FEM for a time-fractional Oldroyd-B fluid problem (2019) *Advances in Computational Mathematics*, 45 (2), pp. 1005-1029. DOI: 10.1007/s10444-018-9649-x, @2019 [Линк](#) 1.000
529. Binh, T.T., Baleanu, D., Luc, N.H. et al. Determination of source term for the fractional Rayleigh–Stokes equation with random data. *J Inequal Appl* 2019, 308 (2019) doi:10.1186/s13660-019-2262-9, @2019 [Линк](#) 1.000
530. Binh, T.T., Nashine, H.K., Long, L.D., Luc, N.H., Nguyen, C. Identification of source term for the ill-posed Rayleigh–Stokes problem by Tikhonov regularization method (2019) *Advances in Difference Equations*, 2019 (1), art. no. 331 DOI: 10.1186/s13662-019-2261-7, @2019 [Линк](#) 1.000
531. Krasnoschok, M., Pata, V., Vasylyeva, N. Semilinear subdiffusion with memory in multidimensional domains (2019) *Mathematische Nachrichten*, 292 (7), pp. 1490-1513. DOI: 10.1002/mana.201700405, @2019 [Линк](#) 1.000
532. Krasnoschok, M.V. Optimal control problem for an equation of filtration with memory *Proceedings of IAMM of NAS of Ukraine*, 2019, Volume 33, pp. 142-157, @2019 [Линк](#) 1.000
533. Mastroberti Berssetche, Francisco Vicente. "Métodos numéricos para problemas no locales de evolución" (Numerical methods for non-local evolution problems) (2019) *Tesis Doctoral, Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales*, 150 pages., @2019 [Линк](#) 1.000
534. Nguyen, H.L., Nguyen, H.T., Mokhtar, K., Duong Dang, X.T. Identifying initial condition of the Rayleigh-Stokes problem with random noise (2019) *Mathematical Methods in the Applied Sciences*, 42 (5), pp. 1561-1571. DOI: 10.1002/mma.5455, @2019 [Линк](#) 1.000
535. Nguyen, H.L., Nguyen, H.T., Zhou, Y. Regularity of the solution for a final value problem for the Rayleigh-Stokes equation (2019) *Mathematical Methods in the Applied Sciences*, 42 (10), pp. 3481-3495. DOI: 10.1002/mma.5593, @2019 [Линк](#) 1.000
536. Nie, Daxin, Jing Sun, and Weihua Deng. "Numerical algorithm for the model describing anomalous diffusion in expanding media." *arXiv preprint arXiv:1910.05588* (2019)., @2019 [Линк](#) 1.000
537. Nie, Daxin, Jing Sun, and Weihua Deng. "Numerical algorithm for the space-time fractional Fokker-Planck system with two internal states." *arXiv preprint arXiv:1906.03020* (2019)., @2019 [Линк](#) 1.000
538. Sun, J., Nie, D., Deng, W. Fast algorithms for convolution quadrature of Riemann-Liouville fractional derivative (2019) *Applied Numerical Mathematics*, 145, pp. 384-410. DOI: 10.1016/j.apnum.2019.05.001, @2019 [Линк](#) 1.000
539. Sun, Jing, Daxin Nie, and Weihua Deng. "Error estimates for backward fractional Feynman-Kac equation with non-smooth initial data." *arXiv preprint arXiv:1911.02149* (2019)., @2019 [Линк](#) 1.000
540. Tuan, N.H., Zhou, Y., Thach, T.N., Can, N.H. Initial inverse problem for the nonlinear fractional Rayleigh-Stokes equation with random discrete data (2019) *Communications in Nonlinear Science and Numerical Simulation*, 78, art. no. 104873, DOI: 10.1016/j.cnsns.2019.104873, @2019 [Линк](#) 1.000
541. Xu, D. Second-order difference approximations for Volterra equations with the completely monotonic kernels (2019) *Numerical Algorithms*, 81 (3), pp. 1003-1041. DOI: 10.1007/s11075-018-0580-5, @2019 [Линк](#) 1.000
542. Al-Maskari, Mariam, and Samir Karaa. "Numerical solution of a time-fractional nonlinear Rayleigh-Stokes problem." *arXiv preprint arXiv:2012.02826* (2020)., @2020 [Линк](#) 1.000
543. Chen, A. The efficient finite element methods for time-fractional Oldroyd-B fluid model involving two Caputo derivatives (2020) *CMES - Computer Modeling in Engineering and Sciences*, 125 (1), pp. 173-195. DOI: 10.32604/cmes.2020.011871, @2020 [Линк](#) 1.000
544. Chen, A., Nong, L. Efficient Galerkin finite element methods for a time-fractional Cattaneo equation (2020) *Advances in Difference Equations*, 2020 (1), art. no. 545 DOI: 10.1186/s13662-020-03009-w, @2020 [Линк](#) 1.000
545. Dinh, Ke Tran, Lan Do, and Tuan Pham Thanh. "On stability for semilinear generalized Rayleigh-Stokes equation involving delays." *arXiv preprint arXiv:2011.00545* (2020)., @2020 [Линк](#) 1.000
546. Hafez, R.M., Zaky, M.A., Abdelkawy, M.A. Jacobi Spectral Galerkin Method for Distributed-Order Fractional Rayleigh–Stokes Problem for a Generalized Second Grade Fluid (2020) *Frontiers in Physics*, 7, art. no. 240 DOI: 10.3389/fphy.2019.00240, @2020 [Линк](#) 1.000
547. Khan M., Numerical methods for deterministic and stochastic fractional partial differential equations, PhD Dissertation, University of Chester (2020), 155 pages., @2020 [Линк](#) 1.000
548. Krasnoschok, M., Pata, V., Sirk, S.V., Vasylyeva, N. A subdiffusive Navier–Stokes–Voigt system (2020) *Physica D: Nonlinear Phenomena*, 409, art. no. 132503. DOI: 10.1016/j.physd.2020.132503, @2020 [Линк](#) 1.000
549. Krasnoschok M., Strong solution of a hydrodynamics problem with memory, *Proceedings of IAMM of NAS of Ukraine*, 2020, Volume 34, pp. 62-74 DOI:10.37069/1683-4720-2020-34-7, @2020 [Линк](#) 1.000
550. Luc, N.H., Huynh, L.N., O'Regan, D., Can, N.H. Regularization of the fractional Rayleigh–Stokes equation using a fractional Landweber method (2020) *Advances in Difference Equations*, 2020 (1), art. no. 459 DOI: 10.1186/s13662-020-02922-4, @2020 [Линк](#) 1.000
551. Nie, D., Sun, J., Deng, W. Numerical algorithm for the model describing anomalous diffusion in expanding media (2020) *ESAIM: Mathematical Modelling and Numerical Analysis*, 54 (6), pp. 2265-2294. DOI: 10.1051/m2an/2020018, @2020 [Линк](#) 1.000
552. Nie, D., Sun, J., Deng, W. Numerical algorithm for the space-time fractional Fokker–Planck system with two internal states (2020) *Numerische Mathematik*, 146 (3), pp. 481-511. DOI: 10.1007/s00211-020-01148-6, @2020 [Линк](#) 1.000
553. Nie, D., Sun, J., Deng, W. Numerical Scheme for the Fokker–Planck Equations Describing Anomalous Diffusions with Two Internal States (2020) *Journal of Scientific Computing*, 83 (2), art. no. 33, . DOI: 10.1007/s10915-020-01218-9, @2020 [Линк](#) 1.000

554. R. Ponce, A subordination principle for subdiffusion equations with memory, J. Integral Equations Applications, Volume 32, Number 4 (2020), 479-493. doi:10.1216/jie.2020.32.479, @2020 [Линк](#) 1.000
555. Shi, J., Chen, M. Correction of High-Order BDF Convolution Quadrature for Fractional Feynman–Kac Equation with Lévy Flight (2020) Journal of Scientific Computing, 85 (2), art. no. 28 DOI: 10.1007/s10915-020-01331-9, @2020 [Линк](#) 1.000
556. Sun, J., Nie, D., Deng, W. Error Estimates for Backward Fractional Feynman–Kac Equation with Non-Smooth Initial Data (2020) Journal of Scientific Computing, 84 (1), art. no. 6 DOI: 10.1007/s10915-020-01256-3, @2020 [Линк](#) 1.000
557. Wang, Y., Yan, Y., Yan, Y., Pani, A.K. Higher Order Time Stepping Methods for Subdiffusion Problems Based on Weighted and Shifted Grünwald–Letnikov Formulae with Nonsmooth Data (2020) Journal of Scientific Computing, 83 (3), art. no. 40 DOI: 10.1007/s10915-020-01223-y, @2020 [Линк](#) 1.000
558. Wang, Y., Yan, Y., Yang, Y. Two high-order time discretization schemes for subdiffusion problems with nonsmooth data (2020) Fractional Calculus and Applied Analysis, 23 (5), pp. 1349-1380. DOI: 10.1515/fca-2020-0067, @2020 [Линк](#) 1.000
559. Zhou, Yong, and Jing Na Wang. "The nonlinear Rayleigh-Stokes problem with Riemann-Liouville fractional derivative." Mathematical Methods in the Applied Sciences. DOI: 10.1002/mma.5926, @2020 [Линк \(x\)](#) 1.000
560. Caraballo, T., Ngoc, T.B., Thach, T.N., Tuan, N.H. On initial value and terminal value problems for subdiffusive stochastic rayleigh-stokes equation (2021) Discrete and Continuous Dynamical Systems - Series B, 26 (8), pp. 4299-4323. DOI: 10.3934/dcdsb.2020289, @2021 [Линк](#) 1.000
561. Chen, A. Two efficient Galerkin finite element methods for the modified anomalous subdiffusion equation (2021) International Journal of Computer Mathematics, 98 (9), pp. 1834-1851. DOI: 10.1080/00207160.2020.1849636, @2021 [Линк](#) 1.000
562. Duc, P.N., Binh, H.D., Long, L.D., Van, H.T.K. Reconstructing the right-hand side of the Rayleigh–Stokes problem with nonlocal in time condition (2021) Advances in Difference Equations, 2021 (1), art. no. 470. DOI: 10.1186/s13662-021-03626-z, @2021 [Линк](#) 1.000
563. Guan, Z., Wang, J., Nie, Y. Unconditionally optimal error estimates of two linearized Galerkin FEMs for the two-dimensional nonlinear fractional Rayleigh–Stokes problem (2021) Computers and Mathematics with Applications, 93, pp. 78-93. DOI: 10.1016/j.camwa.2021.04.008, @2021 [Линк](#) 1.000
564. Guan, Z., Wang, X., Ouyang, J. An improved finite difference/finite element method for the fractional Rayleigh–Stokes problem with a nonlinear source term (2021) Journal of Applied Mathematics and Computing, 65 (1-2), pp. 451-479. DOI: 10.1007/s12190-020-01399-4, @2021 [Линк](#) 1.000
565. Li, D.-G., Fu, J.-L., Yang, F., Li, X.-X. Landweber iterative regularization method for identifying the initial value problem of the rayleigh–stokes equation (2021) Fractal and Fractional, 5 (4), art. no. 193. DOI: 10.3390/fractalfract5040193, @2021 [Линк](#) 1.000
566. Long, L.D. Remarks on the Systems of Semilinear Fractional Rayleigh-Stokes Equation (2021) Advances in Mathematical Physics, 2021, art. no. 6880435. DOI: 10.1155/2021/6880435, @2021 [Линк](#) 1.000
567. Luc, N.H., Lan, D., O'Regan, D., Tuan, N.A., Zhou, Y. On the initial value problem for the nonlinear fractional Rayleigh-Stokes equation (2021) Journal of Fixed Point Theory and Applications, 23 (4), art. no. 60. DOI: 10.1007/s11784-021-00897-7, @2021 [Линк](#) 1.000
568. Luc, N.H., Long, L.D., Van, H.T.K., Nguyen, V.T. A nonlinear fractional Rayleigh–Stokes equation under nonlocal integral conditions (2021) Advances in Difference Equations, 2021 (1), art. no. 388. DOI: 10.1186/s13662-021-03545-z, @2021 [Линк](#) 1.000
569. Mahata, S., Sinha, R.K. Finite Element Method for Fractional Parabolic Integro-Differential Equations with Smooth and Nonsmooth Initial Data (2021) Journal of Scientific Computing, 87 (1), art. no. 7. DOI: 10.1007/s10915-021-01412-3, @2021 [Линк](#) 1.000
570. Na Wang, J., Zhou, Y., Wei He, J. Existence and regularization of solutions for nonlinear fractional Rayleigh–Stokes problem with final condition (2021) Mathematical Methods in the Applied Sciences, 44 (17), pp. 13493-13508. DOI: 10.1002/mma.7639, @2021 [Линк](#) 1.000
571. Nguyen Anh, T., Long, L.D., O'Regan, D., Luc, N.H. On a nonlinear fractional Rayleigh–Stokes equation associated with nonlocal conditions (2021) Mathematical Methods in the Applied Sciences, 44 (17), pp. 12426-12441. DOI: 10.1002/mma.7551, @2021 [Линк](#) 1.000
572. Nguyen, A.T., Hammouch, Z., Karapinar, E., Tuan, N.H. On a nonlocal problem for a Caputo time-fractional pseudoparabolic equation (2021) Mathematical Methods in the Applied Sciences, 44 (18), pp. 14791-14806. DOI: 10.1002/mma.7743, @2021 [Линк](#) 1.000
573. Nong, L., Chen, A., Cao, J. Error estimates for a robust finite element method of two-term time-fractional diffusion-wave equation with nonsmooth data (2021) Mathematical Modelling of Natural Phenomena, 16, art. no. 16. DOI: 10.1051/mmnp/2021007, @2021 [Линк](#) 1.000
574. Ponce, R. Discrete Subdiffusion Equations with Memory (2021) Applied Mathematics and Optimization, 84 (3), pp. 3475-3497. DOI: 10.1007/s00245-021-09753-z, @2021 [Линк](#) 1.000
575. Tran Bao, N., Nguyen Hoang, L., Vo Van, A., Nguyen, H.T., Zhou, Y. Existence and regularity of inverse problem for the nonlinear fractional Rayleigh-Stokes equations (2021) Mathematical Methods in the Applied Sciences 44 (3), pp. 2532-2558. DOI: 10.1002/mma.6162, @2021 [Линк](#) 1.000
576. Zhou, Y., Na Wang, J. The nonlinear Rayleigh-Stokes problem with Riemann-Liouville fractional derivative (2021) Mathematical Methods in the Applied Sciences, 44 (3), pp. 2431-2438. DOI: 10.1002/mma.5926, @2021 [Линк](#) 1.000
577. Ashurov, R., Vaisova, N. Backward and Non-Local Problems for the Rayleigh-Stokes Equation (2022) Fractal and Fractional, 6 (10), art. no. 587 DOI: 10.3390/fractalfract6100587, @2022 [Линк](#) 1.000
578. Ganie, A.H., Saeed, A.M., Saeed, S., Ali, U. The Rayleigh-Stokes Problem for a Heated Generalized Second-Grade Fluid with Fractional Derivative: An Implicit Scheme via Riemann-Liouville Integral (2022) Mathematical Problems in Engineering, 2022, art. no. 6948461, DOI: 10.1155/2022/6948461, @2022 [Линк](#) 1.000
579. He, J.W., Peng, L. Time Discrete Abstract Fractional Volterra Equations via Resolvent Sequences (2022) Mediterranean Journal of Mathematics, 19 (5), art. no. 207 DOI: 10.1007/s00009-022-02142-y, @2022 [Линк](#) 1.000
580. Ke, T.D., Thuy, L.T.P., Tuan, P.T. An inverse source problem for generalized Rayleigh-Stokes equations involving superlinear perturbations (2022) Journal of Mathematical Analysis and Applications, 507 (2), art. no. 125797 DOI: 10.1016/j.jmaa.2021.125797, @2022 [Линк](#) 1.000

581. Krasnoschok, M., Vasylyeva, N. LINEAR SUBDIFFUSION IN WEIGHTED FRACTIONAL HÖLDER SPACES (2022) Evolution Equations and Control Theory, 11 (4), pp. 1455-1487. DOI: 10.3934/eect.2021050, @2022 [Линк](#) 1.000
582. Krasnoschok, M. MONOTONE ITERATIONS METHOD FOR FRACTIONAL DIFFUSION EQUATIONS (2022) Matematychni Studii, 57 (2), pp. 122-136. DOI: 10.30970/ms.57.2.122-136, @2022 [Линк](#) 1.000
583. Lan, D. REGULARITY AND STABILITY ANALYSIS FOR SEMILINEAR GENERALIZED RAYLEIGH-STOKES EQUATIONS (2022) Evolution Equations and Control Theory, 11 (1), pp. 259-282. DOI: 10.3934/eect.2021002, @2022 [Линк](#) 1.000
584. Lan, D., Tuan, P.T. ON STABILITY FOR SEMILINEAR GENERALIZED RAYLEIGH-STOKES EQUATION INVOLVING DELAYS (2022) Quarterly of Applied Mathematics, 80 (4), pp. 701-715. DOI: 10.1090/qam/1624, @2022 [Линк](#) 1.000
585. Ma, Y., Chen, L. Error Bounds of a Finite Difference/Spectral Method for the Generalized Time Fractional Cable Equation (2022) Fractal and Fractional, 6 (8), art. no. 439 DOI: 10.3390/fractalfract6080439, @2022 [Линк](#) 1.000
586. Mukhtar, S., Shah, R., Noor, S. The Numerical Investigation of a Fractional-Order Multi-Dimensional Model of Navier–Stokes Equation via Novel Techniques (2022) Symmetry, 14 (6), art. no. 1102 DOI: 10.3390/sym14061102, @2022 [Линк](#) 1.000
587. Nguyen, H.T., Tuan, N.A., Yang, C. GLOBAL WELL-POSEDNESS FOR FRACTIONAL SOBOLEV-GALPERN TYPE EQUATIONS (2022) Discrete and Continuous Dynamical Systems- Series A, 42 (6), pp. 2637-2665. DOI: 10.3934/dcds.2021206, @2022 [Линк](#) 1.000
588. Nong, L., Chen, A. Numerical schemes for the time-fractional mobile/immobile transport equation based on convolution quadrature (2022) Journal of Applied Mathematics and Computing, 68 (1), pp. 199-215. DOI: 10.1007/s12190-021-01522-z, @2022 [Линк](#) 1.000
589. Rehman, S., Gul, T., Khan, W., Khan, A., Zeeshan, Effects of chemical reaction, viscosity, thermal conductivity, heat source, radiation/absorption, on MHD mixed convection nano-fluids flow over an unsteady stretching sheet by HAM and numerical method (2022) Advances in Mechanical Engineering, 14 (1), DOI: 10.1177/16878140221074301, @2022 [Линк](#) 1.000
590. Sun, J., Deng, W., Nie, D. Numerical Approximations for the Fractional Fokker–Planck Equation with Two-Scale Diffusion (2022) Journal of Scientific Computing, 91 (2), art. no. 34 DOI: 10.1007/s10915-022-01812-z, @2022 [Линк](#) 1.000
591. Tran, D.-K., Nguyen, N.-T. ON REGULARITY AND STABILITY FOR A CLASS OF NONLOCAL EVOLUTION EQUATIONS WITH NONLINEAR PERTURBATIONS (2022) Communications on Pure and Applied Analysis, 21 (3), pp. 817-835. DOI: 10.3934/CPAA.2021200, @2022 [Линк](#) 1.000
592. Tuan, N.H., Luc, N.H., Nguyen, T.A. Some well-posed results on the time-fractional Rayleigh–Stokes problem with polynomial and gradient nonlinearities (2022) Mathematical Methods in the Applied Sciences, 45 (1), pp. 500-514. DOI: 10.1002/mma.7789, @2022 [Линк](#) 1.000
593. Wang, J.N., Alsaedi, A., Ahmad, B., Zhou, Y. Well-posedness and blow-up results for a class of nonlinear fractional Rayleigh-Stokes problem (2022) Advances in Nonlinear Analysis, 11 (1), pp. 1579-1597. DOI: 10.1515/anona-2022-0249, @2022 [Линк](#) 1.000
594. Wang, J.N., Zhou, Y., Alsaedi, A., Ahmad, B. Well-posedness and regularity of fractional Rayleigh–Stokes problems (2022) Zeitschrift für Angewandte Mathematik und Physik, 73 (4), art. no. 161 DOI: 10.1007/s00033-022-01808-7, @2022 [Линк](#) 1.000
595. Ashurov, R., Mukhiddinova, O. Inverse problem of determining the order of the fractional derivative in the Rayleigh-Stokes equation (2023) Fractional Calculus and Applied Analysis, 26 (4), pp. 1691-1708., @2023 [Линк](#) 1.000
596. Ashurov, R., Mukhiddinova, O., Umarov, S. A Non-Local Problem for the Fractional-Order Rayleigh–Stokes Equation (2023) Fractal and Fractional, 7 (6), art. no. 490, @2023 [Линк](#) 1.000
597. Awadalla, M., Hussain, A., Hafeez, F., Abuasbeh, K. Existence of Global and Local Mild Solution for the Fractional Navier–Stokes Equations (2023) Symmetry, 15 (2), art. no. 343, @2023 [Линк](#) 1.000
598. Dac, N.V., Tuan, H.T., Tuan, T.V. Regularity and large-time behavior of solutions for fractional semilinear mobile–immobile equations (2023) Mathematical Methods in the Applied Sciences, 46 (1), pp. 1005-1031., @2023 [Линк](#) 1.000
599. He, J., Wu, G. The Hölder Regularity for Abstract Fractional Differential Equation with Applications to Rayleigh–Stokes Problems (2023) Fractal and Fractional, 7 (7), art. no. 549, @2023 [Линк](#) 1.000
600. Ke, T.D., Thang, N.N. On Global Solvability and Regularity for Generalized Rayleigh–Stokes Equations with History-Dependent Nonlinearities (2023) Mediterranean Journal of Mathematics, 20 (3), art. no. 107, @2023 [Линк](#) 1.000
601. Liu, S. Filter Regularization Method for Inverse Source Problem of the Rayleigh–Stokes Equation (2023) Taiwanese Journal of Mathematics, 27 (5), pp. 847-861., @2023 [Линк](#) 1.000
602. Mahata, S., Kumar Sinha, R. Nonsmooth data error estimates of the L1 scheme for subdiffusion equations with positive-type memory term (2023) IMA Journal of Numerical Analysis, 43 (3), pp. 1742-1778., @2023 [Линк](#) 1.000
603. Mesgarani, H., Aghdam, Y.E., Khoshkhahtinat, M., Farnam, B. Analysis of the numerical scheme of the one-dimensional fractional Rayleigh-Stokes model arising in a heated generalized problem (2023) AIP Advances, 13 (8), art. no. 085024, @2023 [Линк](#) 1.000
604. Phong, T.T., Kumar, D., Long, L.D. IDENTIFYING OF UNKNOWN SOURCE TERM FOR THE RAYLEIGH-STOKES PROBLEM (2023) Thermal Science, 27 (Special Issue 1), pp. 273-286., @2023 [Линк](#) 1.000
605. Rehman, S., Shah, R.A., Idrees, M., Khan, A. Mixed convection MHD flows of Ag, Cu, TiO₂ and Al₂O₃ nanofluids over in unsteady stretching sheet in the presence of heat generation along with radiation \ absorption effects (2023) Applied Nanoscience (Switzerland), 13 (1), pp. 295-311., @2023 [Линк](#) 1.000
606. Tuan, N.H., Tri, V.V., Singh, J., Thach, T.N. On a fractional Rayleigh–Stokes equation driven by fractional Brownian motion (2023) Mathematical Methods in the Applied Sciences, 46 (7), pp. 7725-7740., @2023 [Линк](#) 1.000
607. Tuan, P.T., Ke, T.D., Thang, N.N. Final value problem for Rayleigh-Stokes type equations involving weak-valued nonlinearities (2023) Fractional Calculus and Applied Analysis, 26 (2), pp. 694-717., @2023 [Линк](#) 1.000
608. Tuan, T.V. Finite-Time attractivity of strong solutions for generalized nonlinear abstract Rayleigh-Stokes equations (2023) Georgian Mathematical Journal, 30 (2), pp. 291-301., @2023 [Линк](#) 1.000

609. Van Au, V., Caraballo, T. A MIXED NONLINEAR TIME-FRACTIONAL RAYLEIGH-STOKES EQUATION (2023) Discrete and Continuous Dynamical Systems - Series S, 16 (10), pp. 2589-2612., @2023 [Линк](#) 1.000
 610. Van Loi, D., Van Tuan, T. Stability analysis for a class of semilinear nonlocal evolution equations (2023) Boletín de la Sociedad Matemática Mexicana, 29 (2), art. no. 46, @2023 [Линк](#) 1.000
 611. Van Tuan, T. Stability and regularity in inverse source problem for generalized subdiffusion equation perturbed by locally Lipschitz sources (2023) Zeitschrift für Angewandte Mathematik und Physik, 74 (2), art. no. 65, @2023 [Линк](#) 1.000
 612. Zhou, Y. Basic theory of fractional differential equations. World scientific, Third Edition (2023) pp. 1-501., @2023 [Линк](#) 1.000
 613. Zhou, Y., Wei He, J. Cauchy problems for Hilfer fractional evolution equations on an infinite interval (2023) Mathematical Methods in the Applied Sciences, 46 (1), pp. 1335-1351., @2023 [Линк](#) 1.000
 614. Peng, L., Zhou, Y. The Well-Posedness Results of Solutions in Besov-Morrey Spaces for Fractional Rayleigh-Stokes Equations (2024) Qualitative Theory of Dynamical Systems, 23 (1), art. no. 43, @2024 [Линк](#) 1.000
21. **Bazhlekova, E.** Completely monotone functions and some classes of fractional evolution equations. Integral Transforms and Special Functions, 26, 9, 2015, ISSN:1065-2469 (Print), 1476-8291 (Online), DOI:10.1080/10652469.2015.1039224, 737-752. JCR-IF (Web of Science):0.528
- Цитира се в:
615. Garrappa, R., Mainardi, F., Maione, G. Models of dielectric relaxation based on completely monotone functions (2016) Fractional Calculus and Applied Analysis, 19 (5), pp. 1105-1160. DOI: 10.1515/fca-2016-0060, @2016 1.000
 616. Jin, B., Lazarov, R., Sheen, D., Zhou, Z. Error estimates for approximations of distributed order time fractional diffusion with nonsmooth data (2016) Fractional Calculus and Applied Analysis, 19 (1), pp. 69-93. DOI: 10.1515/fca-2016-0005, @2016 1.000
 617. Kochubei, A.N., Kondratiev, Y. Fractional kinetic hierarchies and intermittency (2017) Kinetic and Related Models, 10 (3), pp. 725-740. DOI: 10.3934/krm.2017029, @2017 1.000
 618. Kubica, Adam, and Katarzyna Ryszewska. "Fractional diffusion equation with the distributed order Caputo derivative." arXiv preprint arXiv:1706.05591 (2017)., @2017 1.000
 619. Moslehi, L., Ansari, A. On M-Wright transforms and time-fractional diffusion equations (2017) Integral Transforms and Special Functions, 28 (2), pp. 113-129. DOI: 10.1080/10652469.2016.1252763, @2017 1.000
 620. Boyadzhiev, D., Kiskinov, H., Zahariev, A. Integral representation of solutions of fractional system with distributed delays (2018) Integral Transforms and Special Functions, 29 (9), pp. 725-744., @2018 [Линк](#) 1.000
 621. Da Silva, J.L., Kondratiev, Y., Tkachov, P. Fractional kinetics in a spatial ecology model (2018) Methods of Functional Analysis and Topology, 24 (3), pp. 275-287., @2018 [Линк](#) 1.000
 622. Masomi, M.R., Ansari, A. Fractional transient thermal mixed boundary value problem of distributed order (2018) Mathematical Methods in the Applied Sciences, 41 (16), pp. 6726-6740., @2018 [Линк](#) 1.000
 623. Savov, Mladen, and Bruno Toaldo. "Semi-Markov processes, integro-differential equations and anomalous diffusion-aggregation." arXiv preprint arXiv:1807.07060 (2018)., @2018 [Линк](#) 1.000
 624. Kochubei, Anatoly N.. "General fractional calculus". Volume 1 Basic Theory, edited by Anatoly Kochubei and Yuri Luchko, Berlin, Boston: De Gruyter, 2019, pp. 111-126. <https://doi.org/10.1515/9783110571622-005>, @2019 [Линк](#) 1.000
 625. Kubica, Adam, and Katarzyna Ryszewska. "Fractional diffusion equation with distributed-order Caputo derivative." Journal of Integral Equations and Applications 31.2 (2019): 195-243., @2019 [Линк](#) 1.000
 626. Luchko, Y. Subordination principles for the multi-dimensional space-time-fractional diffusion-wave equation (2019) Theory of Probability and Mathematical Statistics, 98, pp. 127-147. DOI: 10.1090/tpms/1067, @2019 [Линк](#) 1.000
 627. Meerschaert, M.M., Toaldo, B. Relaxation patterns and semi-Markov dynamics (2019) Stochastic Processes and their Applications, 129 (8), pp. 2850-2879. DOI: 10.1016/j.spa.2018.08.004, @2019 [Линк](#) 1.000
 628. Zhang, X., Chen, P., Li, Y. Fractional Retarded Differential Equations Involving Mixed Nonlocal Plus Local Initial Conditions (2019) Numerical Functional Analysis and Optimization, 40 (14), pp. 1678-1702. DOI: 10.1080/01630563.2019.1639728, @2019 [Линк](#) 1.000
 629. Krasnoshchok M., Strong solution of a hydrodynamics problem with memory, Proceedings of IAMM of NAS of Ukraine, 2020, Volume 34, pp. 62-74 DOI:10.37069/1683-4720-2020-34-7, @2020 [Линк](#) 1.000
 630. Savov, M., Toaldo, B. Semi-Markov processes, integro-differential equations and anomalous diffusion-aggregation (2020) Annales de l'institut Henri Poincaré (B) Probability and Statistics, 56 (4), pp. 2640-2671. DOI: 10.1214/20-AIHP1053, @2020 [Линк](#) 1.000
 631. Ding, W., Patnaik, S., Sidhardh, S., Semperlotti, F. Applications of distributed-order fractional operators: A review (2021) Entropy, 23 (1), art. no. 110, pp. 1-42. DOI: 10.3390/e23010110, @2021 [Линк](#) 1.000
 632. Li, C.-L. Representation and stability of distributed order resolvent families (2022) AIMS Mathematics, 7 (7), pp. 11663-11686. DOI: 10.3934/math.2022650, @2022 [Линк](#) 1.000
 633. Mainardi, F. Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models, 2nd Edition (2022) pp. 1-587., @2022 [Линк](#) 1.000
 634. Zehra, A., Younus, A., Tunç, C. Controllability and observability of linear impulsive differential algebraic system with Caputo fractional derivative (2022) Computational Methods for Differential Equations, 10 (1), pp. 200-214. DOI: 10.22034/cmde.2020.39372.1724, @2022 [Линк](#) 1.000
 635. Djioko, J.P., Atangana, J., Edima, H.C. Spectral Analysis of a Dielectric Material Based on Modified Debye Model (2023) Arabian Journal for Science and Engineering, 48 (1), pp. 875-882., @2023 [Линк](#) 1.000

636. Kiskinov, X, E. Madamlieva, M. Veselinova, A. Zahariev, On variation of constant formulae for linear fractional delayed system with Lebesgue integrable initial conditions, AIP Conf. Proc. 2939, 040001 (2023), @2023 [Линк](#) 1.000
22. **Bazhlekova, E., Bazhlekova, I.** On the Rayleigh-Stokes problem for generalized fractional Oldroyd-B fluids. AIP Conference Proceedings, 1684, 2015, ISSN:0094-243X (print) 1551-7616 (web), DOI:10.1063/1.4934312, 080001. SJR:0.152
- Цитира се в:
637. Al-Maskari, M., Karaa, S. Galerkin FEM for a time-fractional Oldroyd-B fluid problem (2019) Advances in Computational Mathematics, 45 (2), pp. 1005-1029. DOI: 10.1007/s10444-018-9649-x, @2019 [Линк](#) 1.000
 638. Bu, W., Yang, H., Tang, Y. Two fast numerical methods for a generalized Oldroyd-B fluid model (2023) Communications in Nonlinear Science and Numerical Simulation, 117, art. no. 106963, @2023 [Линк](#) 1.000
23. **Bazhlekova, E.** Subordination principle for a class of fractional order differential equations. Mathematics, 3, 2, MDPI, 2015, ISSN:2227-7390, DOI:10.3390/math3020412, 412-427
- Цитира се в:
639. Gorenflo, Rudolf, and Francesco Mainardi. "On the fractional Poisson process and the discretized stable subordinator." Axioms 4.3 (2015): 321-344. <http://www.mdpi.com/2075-1680/4/3/321>, @2015 [Линк](#) 1.000
 640. Al-Maskari, M. & Karaa, S. "Galerkin FEM for a time-fractional Oldroyd-B fluid problem". arXiv:1811.01342, @2018 [Линк](#) 1.000
 641. Kochubei, Anatoly N., Yuri Kondratiev, and José Luís da Silva. "From Random Times to Fractional Kinetics." arXiv preprint arXiv:1811.10531 (2018)., @2018 [Линк](#) 1.000
 642. Al-Maskari, M., Karaa, S. Galerkin FEM for a time-fractional Oldroyd-B fluid problem (2019) Advances in Computational Mathematics, 45 (2), pp. 1005-1029. DOI: 10.1007/s10444-018-9649-x, @2019 [Линк](#) 1.000
 643. Anatoly N. Kochubei, Yuri Kondratiev, José L. da Silva, Random Time Change and Related Evolution Equations: Time Asymptotic Behavior, 2019, arXiv:1901.10015, @2019 [Линк](#) 1.000
 644. Ilhan, O.A., Kasimov, S.G., Madrazimov, U.S., Baskonus, H.M. Solvability of the mixed problem of a high-order PDE with fractional time derivatives, Sturm-Liouville operators on spatial variables and non-local boundary conditions (2019) Rocky Mountain Journal of Mathematics, 49 (4), pp. 1191-1206. DOI: 10.1216/RMJ-2019-49-4-1191, @2019 [Линк](#) 1.000
 645. Ilhan, O.A., Kasimov, S.G., Otaev, S.Q., Baskonus, H.M. On the solvability of a mixed problem for a high-order partial differential equation with fractional derivatives with respect to time, with Laplace operators with spatial variables and nonlocal boundary conditions in Sobolev classes (2019) Mathematics, 7 (3), art. no. 235. DOI: 10.3390/math7030235, @2019 [Линк](#) 1.000
 646. Krasnoschok, M.V. Optimal control problem for an equation of filtration with memory Proceedings of IAMM of NAS of Ukraine, 2019, Volume 33, pp. 142-157, @2019 [Линк](#) 1.000
 647. Sandev, Trifce, and Živorad Tomovski. "Fractional Wave Equations." Fractional Equations and Models. Springer, Cham, 2019. 213-245., @2019 [Линк](#) 1.000
 648. Sandev, Trifce, et al. "Generalized diffusion-wave equation with memory kernel." Journal of Physics A: Mathematical and Theoretical 52.1 (2019): 015201., @2019 [Линк](#) 1.000
 649. Stanislavsky, A., Fractional oscillator basics (2019) Applications in Physics, Part A, pp. 133-151. DOI: 10.1515/9783110571707-006, @2019 [Линк](#) 1.000
 650. Kochubei, A.N., Kondratiev, Y.G., Da Silva, J.L. Random time change and related evolution equations. Time asymptotic behavior (2020) Stochastics and Dynamics, 20 (5), art. no. 2050034 DOI: 10.1142/S0219493720500343, @2020 [Линк](#) 1.000
 651. Krasnoschok, M., Pata, V., Stryk, S.V., Vasylyeva, N. A subdiffusive Navier–Stokes–Voigt system (2020) Physica D: Nonlinear Phenomena, 409, art. no. 132503, DOI: 10.1016/j.physd.2020.132503, @2020 [Линк](#) 1.000
 652. Krasnoschok, M. (2020) Strong solution of a hydrodynamics problem with memory. Proc. IAMM NASU, 34, 62-74. DOI: 10.37069/1683-4720-2020-34-7, @2020 [Линк](#) 1.000
 653. Kondratiev, Y., Silva, J.L. Asymptotic Behavior of the Subordinated Traveling Waves (2021) Journal of Statistical Physics, 183 (1), art. no. 7. DOI: 10.1007/s10955-021-02745-x, @2021 [Линк](#) 1.000
 654. Ponce, R. Discrete Subdiffusion Equations with Memory (2021) Applied Mathematics and Optimization, 84 (3), pp. 3475-3497. DOI: 10.1007/s00245-021-09753-z, @2021 [Линк](#) 1.000
 655. He, J. W., Zhou, Y., Peng, L., Ahmad, B. "On well-posedness of semilinear Rayleigh-Stokes problem with fractional derivative on R^N " Advances in Nonlinear Analysis, vol. 11, no. 1, 2022, pp. 580-597., @2022 [Линк](#) 1.000
 656. He, J.W., Peng, L. Time Discrete Abstract Fractional Volterra Equations via Resolvent Sequences (2022) Mediterranean Journal of Mathematics, 19 (5), art. no. 207, DOI: 10.1007/s00009-022-02142-y, @2022 [Линк](#) 1.000
 657. Hymavathi, M., Muhiuddin, G., Syed Ali, M., Al-Amri, J.F., Gunasekaran, N., Vaidivel, R. Global Exponential Stability of Fractional Order Complex-Valued Neural Networks with Leakage Delay and Mixed Time Varying Delays (2022) Fractal and Fractional, 6 (3), art. no. 140, DOI: 10.3390/fractalfract6030140, @2022 [Линк](#) 1.000
 658. Mainardi, F. Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models, 2nd Edition (2022) pp. 1-587., @2022 [Линк](#) 1.000
 659. He, J., Wu, G. The Hölder Regularity for Abstract Fractional Differential Equation with Applications to Rayleigh–Stokes Problems (2023) Fractal and Fractional, 7 (7), art. no. 549, @2023 [Линк](#) 1.000

660. Zhu, S., Dai, P., Qu, Y., Li, G. Subordination principle and approximation of fractional resolvents and applications to fractional evolution equations (2023) Fractional Calculus and Applied Analysis, 26 (2), pp. 781-799., @2023 [Линк](#) 1.000
24. **Vasileva, D., Bazhlekova, I., Bazhlekova, E.** Alternating direction implicit schemes for two-dimensional generalized fractional Oldroyd-B fluids. AIP Conference Proceedings, 1684, AIP Publishing, 2015, ISSN:0094-243X, DOI:10.1063/1.4934325, 080014. SJR:0.152
- Цитира се в:
661. Al-Maskari, M., Karaa, S. Galerkin FEM for a time-fractional Oldroyd-B fluid problem (2019) Advances in Computational Mathematics, 45 (2), pp. 1005-1029. DOI: 10.1007/s10444-018-9649-x, @2019 [Линк](#) 1.000
662. Wang, X., Jiang, Y., Qiao, Y., Xu, H., Qi, H. Numerical study of electroosmotic slip flow of fractional Oldroyd-B fluids at high zeta potentials (2020) Electrophoresis, 41 (10-11), pp. 769-777., @2020 [Линк](#) 1.000
663. Wang, X., Qiao, Y., Qi, H., Xu, H. Effect of magnetic field on electroosmotic flow of viscoelastic fluids in a microchannel (2021) Electrophoresis, 42 (21-22), pp. 2347-2355. DOI: 10.1002/elps.202000322, @2021 [Линк](#) 1.000
664. Yu, B. High-order efficient numerical method for solving a generalized fractional Oldroyd-B fluid model (2021) Journal of Applied Mathematics and Computing, 66 (1-2), pp. 749-768. DOI: 10.1007/s12190-020-01458-w, @2021 [Линк](#) 1.000

2016

25. **Bazhlekova, E., Bazhlekova, I.** Peristaltic transport of viscoelastic bio-fluids with fractional derivative models. Biomath, 5, 1, 2016, ISSN:1314-7218, DOI:10.11145/j.biomath.2016.05.161
- Цитира се в:
665. Al-Maskari, M. & Karaa, S. "Galerkin FEM for a time-fractional Oldroyd-B fluid problem". arXiv:1811.01342, @2018 [Линк](#) 1.000
666. Al-Maskari, M., Karaa, S. Galerkin FEM for a time-fractional Oldroyd-B fluid problem (2019) Advances in Computational Mathematics, 45 (2), pp. 1005-1029. DOI: 10.1007/s10444-018-9649-x, @2019 [Линк](#) 1.000
667. Krasnoschok, M., Pata, V., Siryk, S.V., Vasylyeva, N. A subdiffusive Navier–Stokes–Voigt system (2020) Physica D: Nonlinear Phenomena, 409, art. no. 132503 . DOI: 10.1016/j.physd.2020.132503, @2020 [Линк](#) 1.000
668. Tri, V.V. Existence of an initial value problem for time-fractional oldroyd-b fluid equation using banach fixed point theorem (2021) Advances in the Theory of Nonlinear Analysis and its Applications, 5 (4), pp. 523-530. DOI: 10.31197/ATNAA.943242, @2021 [Линк](#) 1.000
26. **Bazhlekova, E., K. Tsocheva.** Fractional Burgers' model: thermodynamic constraints and completely monotonic relaxation function. C. R. Acad. Bulg. Sci., 69, 7, 2016, ISSN:1310-1331, 825-834. ISI IF:0.233
- Цитира се в:
669. Okuka, A.S., Zorica, D. "Formulation of thermodynamically consistent fractional Burgers models" Acta Mechanica, 229.8 (2018):3557-3570., @2018 [Линк](#) 1.000
670. Atanackovic, T.M., Janev, M., Pilipovic, S. On the thermodynamical restrictions in isothermal deformations of fractional Burgers model(2020) Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences, 378 (2172), art. no. 20190278, @2020 [Линк](#) 1.000
671. Atanacković, T.M., Janev, M.B., Pilipović, S., Seleši, D. Viscoelasticity of Fractional Order: New Restrictions on Constitutive Equations with Applications. International Journal of Structural Stability and Dynamics, 2020, 20(13), 2041011, @2020 1.000
672. Okuka, A.S., Zorica, D. Fractional Burgers models in creep and stress relaxation tests (2020) Applied Mathematical Modelling, 77, pp. 1894-1935. DOI: 10.1016/j.apm.2019.09.035, @2020 [Линк](#) 1.000
673. Hassouna, M., El Kinani, E.H., Ouhadan, A. Fractional calculus: Applications in rheology (2021) Fractional Order Systems: An Overview of Mathematics, Design, and Applications for Engineers, pp. 513-546. Book Chapter DOI: 10.1016/B978-0-12-824293-3.00018-1, @2021 [Линк](#) 1.000
674. Jelić, S., Zorica, D. Fractional Burgers wave equation on a finite domain (2022) Chaos, Solitons and Fractals, 154, art. no. 111632, DOI: 10.1016/j.chaos.2021.111632, @2022 [Линк](#) 1.000
675. Jelić, S., Zorica, D. Energy balance for fractional anti-Zener and Zener models in terms of relaxation modulus and creep compliance (2023) Applied Mathematical Modelling, 123, pp. 688-728., @2023 [Линк](#) 1.000
676. Jelić, S., Zorica, D. Fractionalization of anti-Zener and Zener models via rheological analogy (2023) Acta Mechanica, 234 (2), pp. 313-354., @2023 [Линк](#) 1.000

2017

27. **Bazhlekova, E., Bazhlekova, I.** Unidirectional flows of fractional Jeffreys' fluids: thermodynamic constraints and subordination. Computers and Mathematics with Applications, 73, 6, Elsevier, 2017, ISSN:0898-1221, DOI:10.1016/j.camwa.2016.12.009, 1363-1376. JCR-IF (Web of Science):1.86
- Цитира се в:

677. Anwar, Muhammad Shoaib, and Amer Rasheed. "Heat transfer at microscopic level in a MHD fractional inertial flow confined between non-isothermal boundaries." *The European Physical Journal Plus* 132.7 (2017): 305. <https://link.springer.com/article/10.1140/epjp/i2017-11579-4>, @2017 [Линк](#) 1.000
678. Anwar, Muhammad Shoaib, and Amer Rasheed. "Simulations of a fractional rate type nanofluid flow with non-integer Caputo time derivatives." *Computers & Mathematics with Applications* (2017). Vol. 74, Iss. 10, p. 2485-2502; <https://www.sciencedirect.com/science/article/pii/S0898122117304704>, @2017 [Линк](#) 1.000
679. Rasheed, A., Anwar, M.S. Numerical computations of fractional nonlinear Hartmann flow with revised heat flux model (2018) *Computers and Mathematics with Applications*, 76 (10), pp. 2421-2433., @2018 [Линк](#) 1.000
680. Gaffar, S.A., Ur-Rehman, K., Reddy, P.R., Prasad, V.R., Khan, B.M.H. Powell–eyring fluid flow towards an isothermal sphere in a non-darcy porous medium (2019) *Canadian Journal of Physics*, 97 (10), pp. 1039-1048. DOI: 10.1139/cjp-2018-0835, @2019 [Линк](#) 1.000
681. Bai, Y., Wang, X., Zhang, Y. Unsteady oblique stagnation-point flow and heat transfer of fractional Maxwell fluid with convective derivative under modified pressure field (2022) *Computers and Mathematics with Applications*, 123, pp. 13-25. DOI: 10.1016/j.camwa.2022.07.013, @2022 [Линк](#) 1.000
682. Mainardi, F. *Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models*, 2nd Edition (2022) pp. 1-587., @2022 [Линк](#) 1.000
683. Shen, M., Chen, H., Zhang, M., Liu, F., Anh, V. "A comprehensive review of nanofluids with fractional derivatives: Modeling and application" *Nanotechnology Reviews*, vol. 11, no. 1, 2022, pp. 3235-3249., @2022 [Линк](#) 1.000
684. Bai, Y., Wang, X., Zhang, Y. Unsteady oblique stagnation point flow with improved pressure field and fractional Cattaneo–Christov model by finite difference-spectral method (2023) *Computers and Mathematics with Applications*, 147, pp. 38-52., @2023 [Линк](#) 1.000
28. Bazhlekova, E., Bazhlekova, I. Stokes' first problem for viscoelastic fluids with a fractional Maxwell model. *Fractal Fract*, 1, 1, MDPI AG, 2017, ISSN:2504-3110, DOI:10.3390/fractalfract1010007, 7

Цитира се в:

685. Abdela, Yasin, and Bandari Shanker. "The Influence of Non Uniform Heat Source and Thermal Radiation on the MHD Stagnation Point Flow of Maxwell Nanofluid Over a Linear Stretching Surface." *International Journal of Mathematics Trends and Technology (IJMTT)* – Vol. 56 Iss. 4 2018, @2018 [Линк](#) 1.000
686. Hristov, Jordan. "The Craft of Fractional Modeling in Science and Engineering 2017." *Fractal and Fractional* 2.2 (2018): 16., @2018 [Линк](#) 1.000
687. Babaei, Afshin; Banihashemi, Seddigheh; Mohammadpour, Alireza. A Numerical Scheme to Solve an Inverse Problem Related to a Time-Fractional Diffusion-Wave Equation with an Unknown Boundary Condition, *Punjab University Journal of Mathematics*, 51.2 (2019): 61-78., @2019 [Линк](#) 1.000
688. Su, X., Xu, W., Chen, W. Analytical and numerical study of Stokes flow problems for Hausdorff fluids (2019) *Communications in Nonlinear Science and Numerical Simulation*, 79, art. no. 104932. DOI: 10.1016/j.cnsns.2019.104932, @2019 [Линк](#) 1.000
689. Olonijou, S.D., Gogo, S.P., Sibanda, P. A Chebyshev based spectral method for solving boundary layer flow of a fractional-order Oldroyd-B fluid (2020) *Mathematical Modelling of Engineering Problems*, 7 (3), pp. 377-386. DOI: 10.18280/mmep.070307, @2020 [Линк](#) 1.000
690. Yang, S.-M., Duan, J.-S. Response analysis of six-parameter fractional constitutive model (2020) *Physica Scripta*, 96 (2), art. no. 025220, . DOI: 10.1088/1402-4896/abd35f, @2020 [Линк](#) 1.000
691. Drapaca, C.S. A Nitric Oxide–Modulated Variable-Order Fractional Maxwell Viscoelastic Model of Cerebral Vascular Walls (2021) *Frontiers in Mechanical Engineering*, 7, art. no. 674860. DOI: 10.3389/fmech.2021.674860, @2021 [Линк](#) 1.000
692. El Kot, M.A., Abd Elmaboud, Y. Unsteady pulsatile fractional Maxwell viscoelastic blood flow with Cattaneo heat flux through a vertical stenosed artery with body acceleration (2022) *Journal of Thermal Analysis and Calorimetry*, 147 (6), pp. 4355-4368. DOI: 10.1007/s10973-021-10822-2, @2022 [Линк](#) 1.000
693. Sin, C.-S., Rim, J.-U., Choe, H.-S. Initial-boundary value problems for multi-term time-fractional wave equations (2022) *Fractional Calculus and Applied Analysis*, 25 (5), pp. 1994-2019. DOI: 10.1007/s13540-022-00080-w, @2022 [Линк](#) 1.000
29. Bazhlekova, E., Bazhlekova, I. Application of Dimovski's convolutional calculus to distributed-order time-fractional diffusion equation on a bounded domain. *Journal of Inequalities and Special Functions*, 8, 1, 2017, ISSN:2217-4303, 68-83

Цитира се в:

694. Bulavatsky, V.M. Some Boundary-Value Problems of Filtration Dynamics Corresponding to Models of Fractional Diffusion of Distributed Order (2022) *Cybernetics and Systems Analysis*, 58 (1), pp. 65-76. DOI: 10.1007/s10559-022-00436-3, @2022 [Линк](#) 1.000

2018

30. Bazhlekova, E.. Subordination in a class of generalized time-fractional diffusion-wave equations. *Fractional Calculus and Applied Analysis*, 21, 4, 2018, ISSN:1311-0454, DOI:10.1515/fca-2018-0048, 869-900. SJR (Scopus):1.89, JCR-IF (Web of Science):3.514

Цитира се в:

695. Ke, T.D., Quan, N.N. Finite-time attractivity for semilinear tempered fractional wave equations (2018) *Fractional Calculus and Applied Analysis*, 21 (6), pp. 1471-1492. DOI: 10.1515/fca-2018-0077, @2018 [Линк](#) 1.000

696. Li, Y., Zhang, Q. Blow-up and global existence of solutions for a time fractional diffusion equation (2018) Fractional Calculus and Applied Analysis, 1.000 21 (6), pp. 1619-1640. DOI: 10.1515/fca-2018-0085, @2018 [Линк](#)
697. Paneva-Konovska, J. "Bessel type functions: Relations with integrals and derivatives of arbitrary orders"(2018) AIP Conference Proceedings, 1.000 2048, art. no. 050015., @2018 [Линк](#)
698. dos Santos, M.A.F. Analytic approaches of the anomalous diffusion: A review (2019) Chaos, Solitons and Fractals, 124, pp. 86-96. DOI: 1.000 10.1016/j.chaos.2019.04.039, @2019 [Линк](#)
699. Kemppainen, Jukka. "Positivity of the fundamental solution for fractional diffusion and wave equations." arXiv preprint arXiv:1906.04779 1.000 (2019)., @2019 [Линк](#)
700. Paneva-Konovska, J. A survey on Bessel type functions as multi-index Mittag-Leffler functions: Differential and integral relations (2019) 1.000 International Journal of Applied Mathematics, 32 (3), pp. 357-380. DOI: 10.12732/ijam.v32i3.1, @2019 [Линк](#)
701. Paneva-Konovska, Jordanka. "Hyper-Bessel functions as multi-index Mittag-Leffler functions: Integrals and derivatives of arbitrary orders." AIP 1.000 Conference Proceedings. Vol. 2172. No. 1. AIP Publishing, 2019, art. no. 050005 DOI: 10.1063/1.5133524, @2019 [Линк](#)
702. Sandev, Trifce, and Živorad Tomovski. "Fractional Wave Equations." Fractional Equations and Models. Springer, Cham, 2019. 213- 1.000 245., @2019 [Линк](#)
703. Awad, E. Dual-phase-lag in the balance: Sufficiency bounds for the class of Jeffreys' equations to furnish physical solutions (2020) International 1.000 Journal of Heat and Mass Transfer, 158, art. no. 119742 DOI: 10.1016/j.ijheatmasstransfer.2020.119742, @2020 [Линк](#)
704. Awad, E., Metzler, R. Crossover dynamics from superdiffusion to subdiffusion: Models and solutions (2020) Fractional Calculus and Applied 1.000 Analysis, 23 (1), pp. 55-102. DOI: 10.1515/fca-2020-0003, @2020 [Линк](#)
705. Fedorov V.E., Abdrakhmanova A.A. (2020) Distributed Order Equations in Banach Spaces with Sectorial Operators. In: Kravchenko V., Sitnik S. 1.000 (eds) Transmutation Operators and Applications. Trends in Mathematics. Birkhäuser, Cham, pp 509-538, @2020 [Линк](#)
706. Gorenflo, R., Kilbas, A.A., Mainardi, F., Rogosin, S. Mittag-Leffler functions, related topics and applications: Second Edition (2020) Springer 1.000 Monographs in Mathematics, pp. 1-537., @2020 [Линк](#)
707. Mainardi, F., Consiglio, A. The Wright functions of the second kind in mathematical physics (2020) Mathematics, 8 (6), art. no. 884 DOI: 1.000 10.3390/MATH8060884, @2020 [Линк](#)
708. R. Ponce, Subordination principle for fractional diffusion-wave equations of Sobolev type, Fract. Calc. Appl. Anal., vol. 23 (2020) 427- 1.000 449, @2020 [Линк](#)
709. Wang, Y., Chen, Y., Liao, X. State-of-art survey of fractional order modeling and estimation methods for lithium-ion batteries (2020) Fractional 1.000 Calculus and Applied Analysis, 22 (6), pp. 1449-1479. DOI: 10.1515/fca-2019-0076, @2020 [Линк](#)
710. Awad, E., Sandev, T., Metzler, R., Chechkin, A. Closed-form multi-dimensional solutions and asymptotic behaviors for subdiffusive processes with 1.000 crossovers: I. Retarding case (2021) Chaos, Solitons and Fractals, 152, art. no. 111357. DOI: 10.1016/j.chaos.2021.111357, @2021 [Линк](#)
711. González-Camus, J., Ponce, R. Explicit representation of discrete fractional resolvent families in Banach spaces (2021) Fractional Calculus and 1.000 Applied Analysis, 24 (6), pp. 1853-1878. DOI: 10.1515/fca-2021-0080, @2021 [Линк](#)
712. Kemppainen, J. Positivity of the fundamental solution for fractional diffusion and wave equations (2021) Mathematical Methods in the Applied 1.000 Sciences, 44 (3), pp. 2468-2486. DOI: 10.1002/mma.5974, @2021 [Линк](#)
713. Li, N.-D., Liu, R., Li, M. Resolvent Positive Operators and Positive Fractional Resolvent Families (2021) Journal of Function Spaces, 2021, art. no. 1.000 6418846., @2021 [Линк](#)
714. Paneva-Konovska, J. Bessel type functions as multi-index Mittag-Leffler functions: Erdélyi-Kober integral relations (2021) AIP Conference 1.000 Proceedings, 2333, art. no. 060003. DOI: 10.1063/5.0041835, @2021 [Линк](#)
715. Huseynov, I.T., Ahmadova, A., Mahmudov, N.I. Perturbation properties of fractional strongly continuous cosine and sine family operators (2022) 1.000 Electronic Research Archive, 30 (8), pp. 2911-2940. DOI: 10.3934/era.2022148, @2022 [Линк](#)
716. Mainardi, F. Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models, 2nd Edition (2022) pp. 1- 1.000 587., @2022 [Линк](#)
717. Paneva-Konovska, J. Hyper-Bessel Functions as Multi-Index Mittag-Leffler Functions: Relations Containing Generalized Erdelyi-Kober Fractional 1.000 Integrals (2022) AIP Conference Proceedings, 2505, art. no. 050005, DOI: 10.1063/5.0100734, @2022 [Линк](#)
718. Górska, K., Horzela, A. Subordination and memory dependent kinetics in diffusion and relaxation phenomena (2023) Fractional Calculus and 1.000 Applied Analysis, 26 (2), pp. 480-512., @2023 [Линк](#)
719. Górska, K., Horzela, A., Penson, K.A. The Havriliak-Negami and Jurlewicz-Weron-Stanislawsky relaxation models revisited: memory functions 1.000 based study (2023) Journal of Physics A: Mathematical and Theoretical, 56 (31), art. no. 313001, @2023 [Линк](#)
720. Solís, S., Vergara, V. Blow-up for a non-linear stable non-Gaussian process in fractional time (2023) Fractional Calculus and Applied Analysis, 26 1.000 (3), pp. 1206-1237., @2023 [Линк](#)
721. Yu, Q., Turner, I., Liu, F., Moroney, T. A study of distributed-order time fractional diffusion models with continuous distribution weight functions 1.000 (2023) Numerical Methods for Partial Differential Equations, 39 (1), pp. 383-420. DOI: 10.1002/num.22896, @2023 [Линк](#)

31. **Bazhlekova E., Bazhlekova I.** Subordination approach to multi-term time-fractional diffusion-wave equations. Journal of Computational and Applied Mathematics, 339, Elsevier, 2018, ISSN:0377-0427, DOI:10.1016/j.cam.2017.11.003, 179-192. SJR (Scopus):0.85, JCR-IF (Web of Science):1.883

Цитира се в:

722. David, Joseph, Alexander Nolte, and Julie Sherman. "A Boundary-Value Problem for the 3-D Fractional Wave Equation with Singularity." *Bulletin of the Institute of Mathematics*, 2018, №2, pp.28-52, @2018 [Линк](#) 1.000
 723. Awad, E. "On the time-fractional Cattaneo equation of distributed order". *Physica A: Statistical Mechanics and its Applications*, Vol. 518 (2019) 210-233, @2019 [Линк](#) 1.000
 724. He, J.W., Liang, Y., Ahmad, B., Zhou, Y. Nonlocal fractional evolution inclusions of order $\alpha \in (1, 2)$ (2019) *Mathematics*, 7 (2), art. no. 209. DOI: 10.3390/MATH7020209, @2019 [Линк](#) 1.000
 725. He, J.W., Peng, L. Approximate controllability for a class of fractional stochastic wave equations (2019) *Computers and Mathematics with Applications*, 78 (5), pp. 1463-1476. DOI: 10.1016/j.camwa.2019.01.012, @2019 [Линк](#) 1.000
 726. Kochubei, Anatoly N.. "General fractional calculus". Volume 1 Basic Theory, edited by Anatoly Kochubei and Yuri Luchko, Berlin, Boston: De Gruyter, 2019, pp. 111-126. <https://doi.org/10.1515/9783110571622-005>, @2019 [Линк](#) 1.000
 727. Luchko, Y. Subordination principles for the multi-dimensional space-time-fractional diffusion-wave equation (2019) *Theory of Probability and Mathematical Statistics*, 98, pp. 127-147. DOI: 10.1090/tpms/1067, @2019 [Линк](#) 1.000
 728. Sandev, Trifce, and Živorad Tomovski. "Fractional Wave Equations." *Fractional Equations and Models*. Springer, Cham, 2019. 213-245., @2019 [Линк](#) 1.000
 729. Sandev, Trifce, et al. "Generalized diffusion-wave equation with memory kernel." *Journal of Physics A: Mathematical and Theoretical* 52.1 (2019): 015201., @2019 [Линк](#) 1.000
 730. Awad, E. Dual-phase-lag in the balance: Sufficiency bounds for the class of Jeffreys' equations to furnish physical solutions (2020) *International Journal of Heat and Mass Transfer*, 158, art. no. 119742 DOI: 10.1016/j.ijheatmasstransfer.2020.119742, @2020 [Линк](#) 1.000
 731. Fedorov V.E., Abdrakhmanova A.A. (2020) Distributed Order Equations in Banach Spaces with Sectorial Operators. In: Kravchenko V., Sitnik S. (eds) *Transmutation Operators and Applications. Trends in Mathematics*. Birkhäuser, Cham, pp 509-538, @2020 [Линк](#) 1.000
 732. R. Ponce, A subordination principle for subdiffusion equations with memory, *J. Integral Equations Applications* Vol. 32, No 4 (2020), 479-493. doi:10.1216/jie.2020.32.479, @2020 [Линк](#) 1.000
 733. R. Ponce, Subordination principle for fractional diffusion-wave equations of Sobolev type, *Fract. Calc. Appl. Anal.*, vol. 23 (2020) 427-449, @2020 [Линк](#) 1.000
 734. Awad, E., Sandev, T., Metzler, R., Chechkin, A. Closed-form multi-dimensional solutions and asymptotic behaviors for subdiffusive processes with crossovers: I. Retarding case (2021) *Chaos, Solitons and Fractals*, 152, art. no. 111357. DOI: 10.1016/j.chaos.2021.111357, @2021 [Линк](#) 1.000
 735. Awad, E., Sandev, T., Metzler, R., Chechkin, A. From continuous-time random walks to the fractional Jeffreys equation: Solution and properties (2021) *International Journal of Heat and Mass Transfer*, 181, art. no. 121839. DOI: 10.1016/j.ijheatmasstransfer.2021.121839, @2021 [Линк](#) 1.000
 736. Huang, J., Zhang, J., Arshad, S., Tang, Y. A numerical method for two-dimensional multi-term time-space fractional nonlinear diffusion-wave equations (2021) *Applied Numerical Mathematics*, 159, pp. 159-173. DOI: 10.1016/j.apnum.2020.09.003, @2021 [Линк](#) 1.000
 737. Samiee, M., Kharazmi, E., Meerschaert, M.M. et al. A Unified Petrov–Galerkin Spectral Method and Fast Solver for Distributed-Order Partial Differential Equations. *Commun. Appl. Math. Comput.* 3, 61–90 (2021). <https://doi.org/10.1007/s42967-020-00070-w>, @2021 [Линк](#) 1.000
 738. Samiee, Mehdi. *Data-Infused Fractional Modeling and Spectral Numerical Analysis for Anomalous Transport and Turbulence*. Michigan State University, 2021., @2021 [Линк](#) 1.000
 739. Huseynov, I.T., Ahmadova, A., Mahmudov, N.I. Perturbation properties of fractional strongly continuous cosine and sine family operators (2022) *Electronic Research Archive*, 30 (8), pp. 2911-2940. DOI: 10.3934/era.2022148, @2022 [Линк](#) 1.000
 740. Mainardi, F. *Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models*, 2nd Edition (2022) pp. 1-587., @2022 [Линк](#) 1.000
 741. Peng, L., Zhou, Y. Well-Posedness and Regularity Results for Fractional Wave Equations with Time-Dependent Coefficients (2022) *Fractal and Fractional*, 6 (11), art. no. 644, DOI: 10.3390/fractalfract6110644, @2022 [Линк](#) 1.000
 742. Samad, A., Siddique, I., Jarad, F. Meshfree numerical integration for some challenging multi-term fractional order PDEs (2022) *AIMS Mathematics*, 7 (8), pp. 14249-14269. DOI: 10.3934/math.2022785, @2022 [Линк](#) 1.000
 743. Sin, C.-S., Rim, J.-U., Choe, H.-S. Initial-boundary value problems for multi-term time-fractional wave equations (2022) *Fractional Calculus and Applied Analysis*, 25 (5), pp. 1994-2019. DOI: 10.1007/s13540-022-00080-w, @2022 [Линк](#) 1.000
 744. Zhou, Y., Ahmad, B. and Alsaedi, A., *Theory of Fractional Evolution Equations*. Berlin, Boston: De Gruyter (2022), @2022 [Линк](#) 1.000
 745. Heydari, M.H., Zhagharian, S., Razzaghi, M. Jacobi polynomials for the numerical solution of multi-dimensional stochastic multi-order time fractional diffusion-wave equations (2023) *Computers and Mathematics with Applications*, 152, pp. 91-101., @2023 [Линк](#) 1.000
 746. Sin, C.-S., Choe, H.-S., Rim, J.-U. Initial-boundary value problem for a multiterm time-fractional differential equation and its application to an inverse problem (2023) *Mathematical Methods in the Applied Sciences*, 46 (12), pp. 12960-12978., @2023 [Линк](#) 1.000
 747. Zhou, Y. *Basic theory of fractional differential equations*. World scientific, 2023, 501 pages., @2023 [Линк](#) 1.000
32. **Bazhlekova, E.** Estimates for a general fractional relaxation equation and application to an inverse source problem. *Mathematical Methods in the Applied Sciences*, 41, 18, 2018, ISSN:1099-1476, DOI:10.1002/mma.4868, 9018-9026. SJR (Scopus):0.666, JCR-IF (Web of Science):1.533
- Цитира се е:
748. Almoaet, M.K., Shamsi, M., Khosravian-Arab, H., Torres, D.F.M. A collocation method of lines for two-sided space-fractional advection-diffusion equations with variable coefficients (2019) *Mathematical Methods in the Applied Sciences*, 42 (10), pp. 3465-3480. DOI: 10.1002/mma.5592, @2019 [Линк](#) 1.000

749. Kochubei, Anatoly N.. "General fractional calculus". Volume 1 Basic Theory, edited by Anatoly Kochubei and Yuri Luchko, Berlin, Boston: De Gruyter, 2019, pp. 111-126. <https://doi.org/10.1515/9783110571622-005>, @2019 [Линк](#) 1.000
 750. Cheng, X., Yuan, L., Liang, K. Inverse source problem for a distributed-order time fractional diffusion equation (2020) Journal of Inverse and Ill-Posed Problems, 28 (1), pp. 17-32. DOI: 10.1515/jiip-2019-0006, @2020 [Линк](#) 1.000
 751. Yuan, L., Cheng, X., Liang, K. Solving a backward problem for a distributed-order time fractional diffusion equation by a new adjoint technique (2020) Journal of Inverse and Ill-Posed Problems, 28 (4), pp. 471-488. DOI: 10.1515/jiip-2019-0082, @2020 [Линк](#) 1.000
 752. D'Ovidio, Mirko, and Francesco Iafate. "Elastic drifted Brownian motions and non-local boundary conditions." arXiv preprint arXiv:2111.14601 (2021)., @2021 [Линк](#) (x) 1.000
 753. Li, C.-L. Representation and stability of distributed order resolvent families (2022) AIMS Mathematics, 7 (7), pp. 11663-11686. DOI: 10.3934/math.2022650, @2022 [Линк](#) 1.000
 754. Mainardi, F. Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models, 2nd Edition (2022) pp. 1-587., @2022 [Линк](#) 1.000
 755. Tarasov, V.E. General Fractional Calculus in Multi-Dimensional Space: Riesz Form (2023) Mathematics, 11 (7), art. no. 1651, @2023 [Линк](#) 1.000
 756. Tarasov, V.E. General Fractional Noether Theorem and Non-Holonomic Action Principle (2023) Mathematics, 11 (20), art. no. 4400, @2023 [Линк](#) 1.000
 757. Tarasov, V.E. General Nonlocal Probability of Arbitrary Order (2023) Entropy, 25 (6), art. no. 919., @2023 [Линк](#) 1.000
 758. Tarasov, V.E. Multi-Kernel General Fractional Calculus of Arbitrary Order (2023) Mathematics, 11 (7), art. no. 1726, @2023 [Линк](#) 1.000
 759. Tarasov, V.E. Scale-Invariant General Fractional Calculus: Mellin Convolution Operators (2023) Fractal and Fractional, 7 (6), art. no. 481, @2023 [Линк](#) 1.000
 760. Wu, Y.-Q., Wei He, J. Regularization of a backward problem for composite fractional relaxation equations (2023) Mathematical Methods in the Applied Sciences, 46 (1), pp. 180-196. DOI: 10.1002/mma.8503, @2023 [Линк](#) 1.000
 761. Yuan, L., Liang, K., Wang, H. Solving Inverse Problem of Distributed-Order Time-Fractional Diffusion Equations Using Boundary Observations and L2 Regularization (2023) Mathematics, 11 (14), art. no. 3101, @2023 [Линк](#) 1.000
 762. D'Ovidio, M., Iafate, F. Elastic drifted Brownian motions and non-local boundary conditions (2024) Stochastic Processes and their Applications, 167, art. no. 104228, @2024 [Линк](#) 1.000
 763. Tarasov, V.E. General fractional classical mechanics: Action principle, Euler–Lagrange equations and Noether theorem (2024) Physica D: Nonlinear Phenomena, 457, art. no. 133975, @2024 [Линк](#) 1.000
33. **Bazhlekova, E., Bazhlekova, I.** Complete monotonicity of the relaxation moduli of distributed-order fractional Zener model. AIP Conference Proceedings, 2048, 2018, ISSN:0094-243X, DOI:10.1063/1.5082107, 050008-1-050008-8. SJR (Scopus):0.182
- Цитира се в:
764. Okuka, Aleksandar S., and Dušan Zorica. "Fractional Burgers models in creep and stress relaxation tests." arXiv preprint arXiv:1901.01314 (2019)., @2019 [Линк](#) 1.000
 765. Okuka, A.S., Zorica, D. Fractional Burgers models in creep and stress relaxation tests (2020) Applied Mathematical Modelling, 77, pp. 1894-1935. DOI: 10.1016/j.apm.2019.09.035, @2020 [Линк](#) 1.000
 766. Ding, W., Patnaik, S., Sidhardh, S., Semperlotti, F. Applications of distributed-order fractional operators: A review (2021) Entropy, 23 (1), art. no. 110, pp. 1-42. DOI: 10.3390/e23010110, @2021 [Линк](#) 1.000
 767. Jelić, S., Zorica, D. Fractional Burgers wave equation on a finite domain (2022) Chaos, Solitons and Fractals, 154, art. no. 111632. DOI: 10.1016/j.chaos.2021.111632, @2022 [Линк](#) 1.000
 768. Mainardi, F. Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models, 2nd Edition (2022) Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models, Second Edition, pp. 1-587., @2022 [Линк](#) 1.000
 769. Pshenichnov, S., Zhelyazov, T. Dynamic Problems for Linear-Viscoelastic Bodies (2022) AIP Conference Proceedings, 2637, art. no. 030006, DOI: 10.1063/5.0118702, @2022 [Линк](#) 1.000
 770. Jelić, S., Zorica, D. Energy balance for fractional anti-Zener and Zener models in terms of relaxation modulus and creep compliance (2023) Applied Mathematical Modelling, 123, pp. 688-728., @2023 [Линк](#) 1.000
34. **Bazhlekova, I., Bazhlekova, E.** Fractional derivative model for diffusion-controlled adsorption at liquid/liquid interface. AIP Conference Proceedings, 2048, 2018, ISSN:0094-243X, DOI:10.1063/1.5082111, 050012-1-050012-8. SJR (Scopus):0.182
- Цитира се в:
771. Suvandzhieva, Vladimira R. "Mathematical modeling of bioprocesses with the use of fractional order derivatives." Biomath Communications 8.1 (2021): 1-48., @2021 [Линк](#) 1.000
 772. Abik, F., Solin, K., Hietala, S., Rojas, O.J., Ho, T.M., Mikkonen, K.S. Adsorption study on the formation of interfacial layers based on birch glucuronoxylans (2024) Carbohydrate Polymers, 339, art. no. 122242, @2024 [Линк](#) 1.000

35. **Bazhlekova, E.** Subordination principle for space-time fractional evolution equations and some applications. *Integral Transforms and Special Functions*, 30, 6, 2019, ISSN:1065-2469, DOI:10.1080/10652469.2019.1581186, 431-452. SJR (Scopus):0.68, JCR-IF (Web of Science):0.812

Цитира се в:

773. Kemppainen, Jukka. "Positivity of the fundamental solution for fractional diffusion and wave equations." arXiv preprint arXiv:1906.04779 (2019)., @2019 [Линк](#) 1.000
774. Rougirel, Arnaud, and Hassan Emamirad. "DELSARTE'S EQUATION FOR CAPUTO'S OPERATORS." (2019) hal-02393236, @2019 [Линк](#) 1.000
775. R. Ponce, A subordination principle for subdiffusion equations with memory, *J. Integral Equations Applications*, Volume 32, Number 4 (2020), 479-493. doi:10.1216/jie.2020.32.479, @2020 [Линк](#) 1.000
776. R. Ponce, Subordination principle for fractional diffusion-wave equations of Sobolev type, *Fract. Calc. Appl. Anal.*, vol. 23 (2020) 427-449, @2020 [Линк](#) 1.000
777. Barrick, T.R., Spilling, C.A., Hall, M.G., Howe, F.A. The mathematics of quasi-diffusion magnetic resonance imaging (2021) *Mathematics*, 9 (15), art. no. 1763. DOI: 10.3390/math9151763, @2021 [Линк](#) 1.000
778. Kemppainen, J. Positivity of the fundamental solution for fractional diffusion and wave equations (2021) *Mathematical Methods in the Applied Sciences*, 44 (3), pp. 2468-2486. DOI: 10.1002/mma.5974, @2021 [Линк](#) 1.000
779. Li, Q., Liu, L., Wei, M. S-Asymptotically Periodic Solutions for Time-Space Fractional Evolution Equation (2021) *Mediterranean Journal of Mathematics*, 18 (4), art. no. 126. DOI: 10.1007/s00009-021-01770-0, @2021 [Линк](#) 1.000
780. Raghavan, R., Chen, C. Space-time fractional diffusion: Transient flow to a line source (2021) *Oil and Gas Science and Technology*, 76, art. no. e2021058. DOI: 10.2516/ogst/2021058, @2021 [Линк](#) 1.000
781. Trong, D.D., Hai, D.N.D. Backward problem for time-space fractional diffusion equations in Hilbert scales (2021) *Computers and Mathematics with Applications*, 93, pp. 253-264. DOI: 10.1016/j.camwa.2021.04.018, @2021 [Линк](#) 1.000
782. Emamirad, H., Rougirel, A. Delsarte equation for Caputo operator of fractional calculus (2022) *Fractional Calculus and Applied Analysis*, 25 (2), pp. 584-607. DOI: 10.1007/s13540-022-00026-2, @2022 [Линк](#) 1.000
783. Mainardi, F. *Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models*, 2nd Edition (2022) pp. 1-587., @2022 [Линк](#) 1.000
784. Górska, K., Horzela, A. Subordination and memory dependent kinetics in diffusion and relaxation phenomena (2023) *Fractional Calculus and Applied Analysis*, 26 (2), pp. 480-512., @2023 [Линк](#) 1.000

36. **Bazhlekova, E., Bazhlekova, I.** Subordination approach to space-time fractional diffusion. *Mathematics*, 7, 5, MDPI, 2019, ISSN:2227-7390, DOI:10.3390/math7050415, 415. SJR (Scopus):0.244, JCR-IF (Web of Science):1.105

Цитира се в:

785. Giusti, A., Mainardi, F. Advanced mathematical methods: Theory and applications (2020) *Mathematics*, 8 (1), art. no. 107 DOI: 10.3390/math8010107, @2020 [Линк](#) 1.000
786. Gul, H., Alrabaiah, H., Ali, S., Shah, K., Muhammad, S. Computation of solution to fractional order partial reaction diffusion equations (2020) *Journal of Advanced Research*, 25, pp. 31-38. DOI: 10.1016/j.jare.2020.04.021, @2020 [Линк](#) 1.000
787. R. Ponce, Subordination principle for fractional diffusion-wave equations of Sobolev type, *Fract. Calc. Appl. Anal.*, vol. 23 (2020) 427-449, @2020 [Линк](#) 1.000
788. Barrick, T.R., Spilling, C.A., Hall, M.G., Howe, F.A. The mathematics of quasi-diffusion magnetic resonance imaging (2021) *Mathematics*, 9 (15), art. no. 1763. DOI: 10.3390/math9151763, @2021 [Линк](#) 1.000
789. Raghavan, R., Chen, C. Space-time fractional diffusion: Transient flow to a line source (2021) *Oil and Gas Science and Technology*, 76, art. no. e2021058. DOI: 10.2516/ogst/2021058, @2021 [Линк](#) 1.000
790. Sandev, T., Domazetoski, V., Iomin, A., Kocarev, L. Diffusion–advection equations on a comb: Resetting and random search (2021) *Mathematics*, 9 (3), art. no. 221, pp. 1-24. DOI: 10.3390/math9030221, @2021 [Линк](#) 1.000
791. Shah, N.A., Fetecau, C., Vieru, D. Natural convection flows of Prabhakar-like fractional Maxwell fluids with generalized thermal transport (2021) *Journal of Thermal Analysis and Calorimetry*, 143 (3), pp. 2245-2258. DOI: 10.1007/s10973-020-09835-0, @2021 [Линк](#) 1.000
792. Lima, M. E. S.; Oliveira, E. C.; Viana, A. C. A Yamazaki-type estimate to a space-time fractional diffusion equation. *C.Q.D. – Revista Eletrônica Paulista de Matemática*, Bauru, v. 22, n. 2, p. 48–57, set. 2022. Brazilian Symposium on Fractional Calculus. DOI: 10.21167/cqdv22n22022048057, @2022 [Линк](#) 1.000
793. Mainardi, F. *Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models*, 2nd Edition (2022), pp. 1-587., @2022 [Линк](#) 1.000
794. Górska, K., Horzela, A. Subordination and memory dependent kinetics in diffusion and relaxation phenomena (2023) *Fractional Calculus and Applied Analysis*, 26 (2), pp. 480-512., @2023 [Линк](#) 1.000
795. Górska, K., Horzela, A., Penson, K.A. The Havriliak-Negami and Jurlewicz-Weron-Stanislawsky relaxation models revisited: memory functions based study (2023) *Journal of Physics A: Mathematical and Theoretical*, 56 (31), art. no. 313001, @2023 [Линк](#) 1.000
796. Trajanovski, P., Jolakoski, P., Zelenkovski, K., Iomin, A., Kocarev, L., Sandev, T. Ornstein-Uhlenbeck process and generalizations: Particle dynamics under comb constraints and stochastic resetting (2023) *Physical Review E*, 107 (5), art. no. 054129, @2023 [Линк](#) 1.000

37. **Bazhlekova, E., Bazhlekova, I.** Transition from diffusion to wave propagation in fractional Jeffreys-type heat conduction equation. Fractal and Fractional, 4, 3, MDPI, 2020, ISSN:2504-3110, DOI:10.3390/fractalfract4030032, 32. SJR (Scopus):0.595, JCR-IF (Web of Science):3.313

Цитира се в:

797. T. Atanackovic, S. Pilipovic, D. Seles, Wave propagation dynamics in a fractional Zener model with stochastic excitation, Fract. Calc. Appl. Anal., 1.000 23, 6, 2020, 1570–1604 DOI: 10.1515/fca-2020-0079, @2020 [Линк](#)
798. Awad, E., Sandev, T., Metzler, R., Chechkin, A. From continuous-time random walks to the fractional Jeffreys equation: Solution and properties 1.000 (2021) International Journal of Heat and Mass Transfer, 181, art. no. 121839. DOI: 10.1016/j.ijheatmasstransfer.2021.121839, @2021 [Линк](#)
799. Hristov, J. The Craft of Fractional Modelling in Science and Engineering: II and III. Fractal Fract. 2021, 5, 281., @2021 [Линк](#) 1.000
800. Awad, E., Fayik, M., El-Dhaba, A.R. A comparative numerical study of a semi-infinite heat conductor subject to double strip heating under non-Fourier models (2022) European Physical Journal Plus, 137 (12), art. no. 1303, DOI: 10.1140/epjp/s13360-022-03488-8, @2022 [Линк](#) 1.000
801. Mainardi, F. Fractional Calculus and Waves in Linear Viscoelasticity: An Introduction to Mathematical Models, 2nd Edition (2022) pp. 1- 1.000 587., @2022 [Линк](#)
802. Ali Shah, N., Ameer Ahammad, N., Vieru, D., Yook, S.-J., Alrabaiah, H. Analytical solutions for time-fractional diffusion equation with heat absorption in spherical domains (2023) Ain Shams Engineering Journal, vol. 14(8) art. no. 102031, @2023 [Линк](#) 1.000
803. Awad, E., Alhazmi, S.E., Abdou, M.A., Fayik, M. Anomalous Thermally Induced Deformation in Kelvin–Voigt Plate with Ultrafast Double-Strip Surface Heating (2023) Fractal and Fractional, 7 (7), art. no. 563, @2023 [Линк](#) 1.000
804. Hristov, J. "Constitutive fractional modeling." Contemporary Mathematics. Mathematical Modelling: Principle and Theory 786 (2023): 37- 1.000 140., @2023 [Линк](#)

38. **Bazhlekova, I., Bazhlekova, E.** Fractional derivative modeling of bioreaction-diffusion processes. AIP Conference Proceedings, 2333, 1, 2021, ISSN:0094-243X, 1551-7616, DOI:10.1063/5.0041611, 060006-1-060006-13. SJR (Scopus):0.189

Цитира се в:

805. Sayah, A., Moussaid, N., Gouasnouane, O. Finite difference method for Perona-Malik model with fractional derivative and its application in image processing (2021) 2021 3rd International Conference on Transportation and Smart Technologies, TST 2021, pp. 101-106. DOI: 10.1109/TST52996.2021.00024, @2021 [Линк](#) 1.000
806. Suvandzhieva, Vladimira R. "Mathematical modeling of bioprocesses with the use of fractional order derivatives." Biomath Communications 8.1 (2021): 1-48. DOI: 10.11145/bmc.2021.04.017, @2021 [Линк](#) 1.000
807. Abubakar, S.F., Ibrahim, M.O., 2022. Caputo Sense Fractional Order Derivative Model of Cholera. American Journal of Mathematical and Computer Modelling, 7(2), pp.31-36., @2022 [Линк](#) 1.000
808. Al-Masaeed, R., Maayah, B., Abu-Ghurra, S. Adaptive Technique for Solving 1-D Interface Problems of Fractional Order (2022) International Journal of Applied and Computational Mathematics, 8 (4), art. no. 214, DOI: 10.1007/s40819-022-01397-z, @2022 [Линк](#) 1.000
809. Gasparetto, H., de Castilhos, F., Salau, N.P.G. Unveiling the generalization of the derivative order with a novel application of the fractional order model to green soybean oil extraction (2023) Chemical Engineering Research and Design, 192, pp. 323-337., @2023 [Линк](#) 1.000
810. Oqielat, M.N., Eriqat, T., Al-Zhour, Z. et al. Construction of fractional series solutions to nonlinear fractional reaction–diffusion for bacteria growth model via Laplace residual power series method. Int. J. Dynam. Control 11, 520–527 (2023)., @2023 [Линк](#) 1.000
811. Sarukhanian, S. K., & Maslovskaya, A. G. (2023). Cellular-automata algorithm for simulation of 2D bacterial film evolution under continuous cultivation. Proceedings of Voronezh State University. Series: Systems Analysis and Information Technologies, (4), 19-30., @2023 [Линк](#) (x) 1.000
812. Ullah, I., Ullah, A., Ahmad, S., Ikramullah, Akgül, A. Analysis of Time Fractional Diffusion Equation Arising in Ocean Pollution with Different Kernels (2023) International Journal of Applied and Computational Mathematics, 9 (3), art. no. 32, @2023 [Линк](#) 1.000

39. **Bazhlekova, E., Bazhlekova, I.** Fundamental solution of a three-dimensional fractional Jeffreys-type heat equation. AIP Conference Proceedings, 2333, 1, 2021, ISSN:0094-243X, 1551-7616, DOI:10.1063/5.0041618, 060002-1-060002-8. SJR (Scopus):0.189

Цитира се в:

813. Awad, E., Sandev, T., Metzler, R., Chechkin, A. From continuous-time random walks to the fractional Jeffreys equation: Solution and properties (2021) International Journal of Heat and Mass Transfer, 181, art. no. 121839 DOI: 10.1016/j.ijheatmasstransfer.2021.121839, @2021 [Линк](#) 1.000

40. **Bazhlekova, E.** An inverse source problem for the generalized subdiffusion equation with nonclassical boundary conditions. Fractal and Fractional, 5, 3, MDPI, 2021, ISSN:2504-3110, DOI:10.3390/fractalfract5030063, 63. SJR (Scopus):0.644, JCR-IF (Web of Science):3.577

Цитира се в:

814. Akimova, E.N., Sultanov, M.A., Misilov, V.E., Nurlanuly, Y. Parallel Algorithm for Solving the Inverse Two-Dimensional Fractional Diffusion Problem of Identifying the Source Term (2023) *Fractal and Fractional*, 7 (11), art. no. 801, @2023 [Линк](#) 1.000
815. Mei, J., Li, M. Abstract fractional inverse source problem of order $0 < \alpha < 1$ in a Banach space (2023) *Fractional Calculus and Applied Analysis*, 26 (1), pp. 276-304., @2023 [Линк](#) 1.000
816. Sazaklioglu, A.U., An iterative numerical method for an inverse source problem for a multidimensional nonlinear parabolic equation, *Applied Numerical Mathematics*, Vol. 198, 2024, p. 428-447, @2024 [Линк](#) 1.000

41. Bazhlekova, E., Pshenichnov, S.. Wave propagation in viscoelastic half-space with memory functions of Mittag-Leffler type. *International Journal of Applied Mathematics*, 34, 3, 2021, ISSN:1311-1728, DOI:10.12732/ijam.v34i3.1, 423-440. SJR (Scopus):0.272

Цитира се в:

817. Morales-Delgado, V.F., Taneco-Hernández, M.A., Vargas-De-León, C., Gómez-Aguilar, J.F. Exact solutions to fractional pharmacokinetic models using multivariate Mittag-Leffler functions (2023) *Chaos, Solitons and Fractals*, 168, art. no. 113164, @2023 [Линк](#) 1.000
818. Serdyuk, D.O., Fedotenkov, G.V. Transient Deformation of Anisotropic Timoshenko's Plate (2023) *International Journal of Structural Stability and Dynamics*, 23 (13), art. no. 2350151, @2023 [Линк](#) 1.000
42. Bazhlekova, E.. Completely monotone multinomial Mittag-Leffler type functions and diffusion equations with multiple time-derivatives. *Fractional Calculus and Applied Analysis*, 24, 1, 2021, ISSN:1311-0454 E-ISSN:1314-2224, DOI:10.1515/fca-2021-0005, 88-111. SJR (Scopus):1.435, JCR-IF (Web of Science):3.451

Цитира се в:

819. Paneva-Konovska, J. Series in Le Roy type functions: A set of results in the complex plane—A survey (2021) *Mathematics*, 9 (12), art. no. 1361, DOI: 10.3390/math9121361, @2021 [Линк](#) 1.000
820. Tuan, V.K., Duc, D.T., Phung, T.D. Multi-term fractional integro-differential equations in power growth function spaces (2021) *Fractional Calculus and Applied Analysis*, 24 (3), pp. 739-754. DOI: 10.1515/fca-2021-0032, @2021 [Линк](#) 1.000
821. Ali, Musharraf, and Richard B. Paris. "Multi-index Fubini-type polynomials." *Montes Taurus J. Pure Appl. Math.* 4 (1), 97-106, 2022, @2022 [Линк](#) 1.000
822. Bender, C., Bormann, M., Butko, Y.A. Subordination principle and Feynman-Kac formulae for generalized time-fractional evolution equations (2022) *Fractional Calculus and Applied Analysis*, 25 (5), pp. 1818-1836. DOI: 10.1007/s13540-022-00082-8, @2022 [Линк](#) 1.000
823. Kopteva, N., Stynes, M. A Posteriori Error Analysis for Variable-Coefficient Multiterm Time-Fractional Subdiffusion Equations (2022) *Journal of Scientific Computing*, 92 (2), art. no. 73, DOI: 10.1007/s10915-022-01936-2, @2022 [Линк](#) 1.000
824. Paneva-Konovska, J. Hyper-Bessel Functions as Multi-Index Mittag-Leffler Functions: Relations Containing Generalized Erdelyi-Kober Fractional Integrals (2022) *AIP Conference Proceedings*, 2505, art. no. 050005, DOI: 10.1063/5.0100734, @2022 [Линк](#) 1.000
825. Petreska, I.; Pejov, L.; Sandev, T.; Kocarev, L.; Metzler, R. Tuning of the Dielectric Relaxation and Complex Susceptibility in a System of Polar Molecules: A Generalised Model Based on Rotational Diffusion with Resetting. *Fractal Fract.* 2022, 6, 88., @2022 [Линк](#) 1.000
826. Phung, T.D., Duc, D.T., Tuan, V.K. Multi-term fractional oscillation integro-differential equations (2022) *Fractional Calculus and Applied Analysis*, 25 (4), pp. 1713-1733. DOI: 10.1007/s13540-022-00074-8, @2022 [Линк](#) 1.000
827. Sandev, T., Domazetoski, V., Kocarev, L., Metzler, R. and Chechkin, A., 2022. Heterogeneous diffusion with stochastic resetting. *Journal of Physics A: Mathematical and Theoretical*, 55(7), p.074003; DOI 10.1088/1751-8121/ac491c, @2022 [Линк](#) 1.000
828. Sandev, T., Iomin, A. Special Functions Of Fractional Calculus: Applications To Diffusion And Random Search Processes (2022) *Special Functions Of Fractional Calculus: Applications To Diffusion And Random Search Processes*, pp. 1-273. Book, DOI: 10.1142/12743, @2022 [Линк](#) 1.000
829. Van Anh, N.T., Van Dac, N., Van Tuan, T. Decay solutions to abstract impulsive fractional mobile-immobile equations involving superlinear nonlinearities (2022) *Fractional Calculus and Applied Analysis*, 25 (6), pp. 2275-2297. DOI: 10.1007/s13540-022-00097-1, @2022 [Линк](#) 1.000
830. Zhou, T., Trajanovski, P., Xu, P., Deng, W., Sandev, T. and Kocarev, L., 2022. Generalized diffusion and random search processes. *Journal of Statistical Mechanics: Theory and Experiment*, 2022(9), p.093201. DOI 10.1088/1742-5468/ac841e, @2022 [Линк](#) 1.000
831. Abilassan, A., Restrepo, J.E., Suragan, D. On a variant of multivariate Mittag-Leffler's function arising in the Laplace transform method (2023) *Integral Transforms and Special Functions*, 34 (3), pp. 244-260., @2023 [Линк](#) 1.000
832. Isah, S.S., Fernandez, A., Özarslan, M.A. On univariate fractional calculus with general bivariate analytic kernels (2023) *Computational and Applied Mathematics*, 42 (5), art. no. 228, @2023 [Линк](#) 1.000
833. Javed, S., Malik, S.A. Operational calculus for Hilfer-Prabhakar operator Applications to inverse problems (2023) *Physica Scripta*, 98 (10), art. no. 105220, @2023 [Линк](#) 1.000
834. Kosztołowicz, T. Subdiffusion equation with fractional Caputo time derivative with respect to another function in modeling transition from ordinary subdiffusion to superdiffusion (2023) *Physical Review E*, 107 (6), art. no. 064103, @2023 [Линк](#) 1.000
835. Kürt, C., Fernandez, A., Özarslan, M.A. Two unified families of bivariate Mittag-Leffler functions (2023) *Applied Mathematics and Computation*, 443, art. no. 127785, @2023 [Линк](#) 1.000
836. Ma, F., Zhao, L., Deng, W., Wang, Y. Analyses of the Contour Integral Method for Time Fractional Normal-Subdiffusion Transport Equation (2023) *Journal of Scientific Computing*, 97 (2), art. no. 45, @2023 [Линк](#) 1.000
837. Maes, F., Van Bockstal, K. Existence and uniqueness of a weak solution to fractional single-phase-lag heat equation (2023) *Fractional Calculus and Applied Analysis*, 26 (4), pp. 1663-1690., @2023 [Линк](#) 1.000

838. Missaoui, S., Rguigui, H. The fractional evolution equations associated with the quantum fractional number operator (2023) Mathematical Methods in the Applied Sciences, 46 (9), pp. 10151-10166., @2023 [Линк](#) 1.000
 839. Morales-Delgado, V.F., Taneco-Hernández, M.A., Vargas-De-León, C., Gómez-Aguilar, J.F. Exact solutions to fractional pharmacokinetic models using multivariate Mittag-Leffler functions (2023) Chaos, Solitons and Fractals, 168, art. no. 113164, @2023 [Линк](#) 1.000
 840. Mu, J., Yuan, Z., Zhou, Y. Mild Solutions of Fractional Integrodifferential Diffusion Equations with Nonlocal Initial Conditions via the Resolvent Family (2023) Fractal and Fractional, 7 (11), art. no. 785, @2023 [Линк](#) 1.000
 841. Paneva-Konovska, J. On some estimates and asymptotic formulae in the class of multi-index Mittag-Leffler functions (2023) AIP Conference Proceedings, 2939 (1), art. no. 080004, @2023 [Линк](#) 1.000
 842. Paneva-Konovska, J. Prabhakar function of Le Roy type: a set of results in the complex plane (2023) Fractional Calculus and Applied Analysis, 26 (1), pp. 32-53., @2023 [Линк](#) 1.000
 843. Paneva-Konovska, J., Deif, S.A. On some relations in the class of multi-index Mittag-Leffler functions (2023) Integral Transforms and Special Functions, 34 (12), pp. 965-982., @2023 [Линк](#) 1.000
43. **Bazhlekova, E., Bazhlekov, I.** Identification of a space-dependent source term in a nonlocal problem for the general time-fractional diffusion equation. Journal of Computational and Applied Mathematics, 386, Elsevier, 2021, ISSN:0377-0427, DOI:10.1016/j.cam.2020.113213, 113213. SJR (Scopus):0.875, JCR-IF (Web of Science):2.872
- Цитупа се е:
844. Ndairou, Faical, and Delfim FM Torres. "Weak Pontryagin's Maximum Principle for Optimal Control Problems Involving a General Analytic Kernel." 1.000 arXiv preprint arXiv:2109.02136 (2021)., @2021 [Линк \(x\)](#)
 845. Ilyas, A., Malik, S.A. An Inverse Source Problem for Anomalous Diffusion Equation with Generalized Fractional Derivative in Time (2022) Acta Applicandae Mathematicae, 181 (1), art. no. 15, DOI: 10.1007/s10440-022-00532-8, @2022 [Линк](#) 1.000
 846. Javed, S., Malik, S.A. Some inverse problems for fractional integro-differential equation involving two arbitrary kernels (2022) Zeitschrift für Angewandte Mathematik und Physik, 73 (4), art. no. 140, DOI: 10.1007/s00033-022-01770-4, @2022 [Линк](#) 1.000
 847. Ndairou, F., Torres, D.F.M. Weak Pontryagin's maximum principle for optimal control problems involving a general analytic kernel (2022) Fractional Order Systems and Applications in Engineering, pp. 267-283., @2022 [Линк](#) 1.000
 848. Yaparova, N. Identification of a time-dependent source term in a heat conduction problem from boundary measured data (2022) AIP Conference Proceedings, 2522, art. no. 100016, , @2022 [Линк](#) 1.000
 849. Abilassan, A., Restrepo, J.E., Suragan, D. On a variant of multivariate Mittag-Leffler's function arising in the Laplace transform method (2023) Integral Transforms and Special Functions, 34 (3), pp. 244-260., @2023 [Линк](#) 1.000
 850. Antonio Taneco-Hernández, M., Gómez-Aguilar, J.F., Cuahutenango-Barro, B. Wave process in viscoelastic media using fractional derivatives with nonsingular kernels (2023) Mathematical Methods in the Applied Sciences, 46 (4), pp. 4413-4436., @2023 [Линк](#) 1.000
 851. Ashyralyev, C. Numerical solution of Neumann-type elliptic SIP with non-local integral and mixed boundary conditions (2023) AIP Conference Proceedings, 2879 (1), art. no. 040008, @2023 [Линк](#) 1.000
 852. Ilyas, A., Malik, S.A., Saif, S. On the solvability of direct and inverse problems for a generalized diffusion equation (2023) Physica Scripta, 98 (12), art. no. 125221, @2023 [Линк](#) 1.000
 853. Isah, S.S., Fernandez, A., Özarslan, M.A. On univariate fractional calculus with general bivariate analytic kernels (2023) Computational and Applied Mathematics, 42 (5), art. no. 228, @2023 [Линк](#) 1.000
 854. Mei, J., Li, M. Abstract fractional inverse source problem of order $0 < \alpha < 1$ in a Banach space (2023) Fractional Calculus and Applied Analysis, 26 (1), pp. 276-304., @2023 [Линк](#) 1.000
 855. Morales-Delgado, V.F., Taneco-Hernández, M.A., Vargas-De-León, C., Gómez-Aguilar, J.F. Exact solutions to fractional pharmacokinetic models using multivariate Mittag-Leffler functions (2023) Chaos, Solitons and Fractals, 168, art. no. 113164, @2023 [Линк](#) 1.000
 856. Ndairou, F., Delfim FM Torres. "Weak Pontryagin's maximum principle for optimal control problems involving a general analytic kernel." Fractional Order Systems and Applications in Engineering. Academic Press, 2023. 267-283., @2023 [Линк](#) 1.000
 857. Saif, S., Malik, S. An inverse problem for a two-dimensional diffusion equation with arbitrary memory kernel (2023) Mathematical Methods in the Applied Sciences, 46 (9), pp. 11007-11020., @2023 [Линк](#) 1.000
 858. Suhaib, K., Ilyas, A., Malik, S.A. On the Inverse Problems for a Family of Integro-Differential Equations (2023) Mathematical Modelling and Analysis, 28 (2), pp. 255-270., @2023 [Линк](#) 1.000
 859. Tarasov, V.E. General Fractional Calculus in Multi-Dimensional Space: Riesz Form (2023) Mathematics, 11 (7), art. no. 1651, @2023 [Линк](#) 1.000
 860. Tarasov, V.E. General Fractional Noether Theorem and Non-Holonomic Action Principle (2023) Mathematics, 11 (20), art. no. 4400, @2023 [Линк](#) 1.000
 861. Tarasov, V.E. General Nonlocal Probability of Arbitrary Order (2023) Entropy, 25 (6), art. no. 919, @2023 [Линк](#) 1.000
 862. Tarasov, V.E. Multi-Kernel General Fractional Calculus of Arbitrary Order (2023) Mathematics, 11 (7), art. no. 1726, @2023 [Линк](#) 1.000
 863. Tarasov, V.E. Scale-Invariant General Fractional Calculus: Mellin Convolution Operators (2023) Fractal and Fractional, 7 (6), art. no. 481, @2023 [Линк](#) 1.000
 864. Wen, J., Liu, Z.-X., Wang, S.-S. A non-stationary iterative Tikhonov regularization method for simultaneous inversion in a time-fractional diffusion equation (2023) Journal of Computational and Applied Mathematics, 426, art. no. 115094, @2023 [Линк](#) 1.000
 865. de Moraes, W.A.A., Restrepo, J.E., Ruzhansky, M. Heat- and Wave-Type Equations with Nonlocal Operators, I. Compact Lie Groups (2024) International Mathematics Research Notices, 2024 (2), pp. 1299-1328., @2024 [Линк](#) 1.000

866. Ilyas, A., Iqbal, Z., Malik, S.A. On some direct and inverse problems for an integro-differential equation (2024) Zeitschrift fur Angewandte Mathematik und Physik, 75 (2), art. no. 39, @2024 [Линк](#) 1.000
867. Ismailov M., Çiçek M., INVERSE SOURCE PROBLEM FOR SUBDIFFUSION EQUATION WITH A GENERALIZED IMPEDANCE BOUNDARY CONDITION, Reports on Mathematical Physics, Vol. 93 (2) 2024 179-194, @2024 [Линк](#) 1.000
868. Ismailov, M.I., Çiçek, M. Identification of a Time-Dependent Source Term in a Nonlocal Problem for Time Fractional Diffusion Equation (2024) Mathematical Modelling and Analysis, 29 (2), pp. 238-253., @2024 [Линк](#) 1.000
869. Tarasov, V.E. General fractional classical mechanics: Action principle, Euler–Lagrange equations and Noether theorem (2024) Physica D: Nonlinear Phenomena, 457, art. no. 133975, @2024 [Линк](#) 1.000
870. Tarasov, V.E. Parametric general fractional calculus: nonlocal operators acting on function with respect to another function (2024) Computational and Applied Mathematics, 43 (4), art. no. 183, @2024 [Линк](#) 1.000

2022

44. Bazhlekova, I., Bazhlekova, E.. A predictor-corrector numerical approach to equations with general fractional derivative. International Journal of Applied Mathematics, 35, 5, Academic Publications, 2022, ISSN:1311-1728, DOI:10.12732/ijam.v35i5.5, 693-709. SJR (Scopus):0.272

Цитира се в:

871. Luchko, Y. On the 1st-Level General Fractional Derivatives of Arbitrary Order (2023) Fractal and Fractional, 7 (2), art. no. 183, @2023 [Линк](#) 1.000

2023

45. Bazhlekova, E., Pshenichnov, S.G.. Two integral representations for the relaxation modulus of the generalized fractional Zener model. Fractal and Fractional, 7, 8, MDPI, 2023, ISSN:2504-3110, DOI:10.3390/fractalfract7080636, 636. SJR (Scopus):0.645, JCR-IF (Web of Science):3.6

Цитира се в:

872. Al-Refai, M.; Luchko, Y. General Fractional Calculus Operators of Distributed Order. Axioms 2023, 12, 1075., @2023 [Линк](#) 1.000