



2	Asymptotic expansion of the solution for singularly perturbed boundary value problem with boundary jumps	мақала	Miskolc Mathematical Notes, 2023, Vol. 24, №1, pp. 309-324. <a href="https://doi.10.18514/MMN.2023.3362">https://doi.10.18514/MMN.2023.3362</a>	SJR (2023) 0.357, кuartиль (Q2)	Science Citation Index-Expanded Mathematics Q2	CiteScore 2023 1,5 Процентиль 56% Mathematics	<u>Mirzakulova A.E., Dauylbayev M.K.</u>	Бірінші автор
3	Asymptotic estimations of the solution of a singularly perturbed equation with piecewise constant argument	мақала	Lobachevskii Journal of Mathematics, 2024, Vol.45, №4, pp.1713–1721. <a href="https://doi.10.1134/S1995080224601450">https://doi.10.1134/S1995080224601450</a>	SJR (2023) 0.453, кuartиль (Q2)	Science Citation Index-Expanded Mathematics Q2	CiteScore 2023 1,5 Процентиль 56% General Mathematics	<u>Mirzakulova A.E., Dauylbayev M.K., Konisbayeva K.T.</u>	Бірінші автор

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**ғылыми еңбектерінің тізімі**

№	Еңбектің атауы	Шығу мәліметтері	Серіктес авторлардың аты-жөні
1.	Singularly perturbed linear oscillator with piecewise-constant argument	al-Farabi KazNU, Journal of Mathematics, Mechanics and Computer Science. – 2018. – Vol.97, №1.- P.3-13. <a href="https://doi.org/10.26577/jmmcs-2018-1-480">https://doi.org/10.26577/jmmcs-2018-1-480</a>	Akhmet M.U., Dauylbayev M.K., Atakhan N.
2.	The Cauchy problem for singularly perturbed higher-order integro-differential equations	al-Farabi KazNU, Journal of Mathematics, Mechanics and Computer Science. – 2018. – Vol.97, №1.- P.14-25. <a href="https://doi.org/10.26577/jmmcs-2018-1-481">https://doi.org/10.26577/jmmcs-2018-1-481</a>	Dauylbayev M.K., Akhmet M.U., Dzhetspisbaeva A.K.
3.	Құрақ-тұрақты аргументті сингулярлы ауытқыған дифференциалдық теңдеу үшін Коши есебі шешімінің асимптотикалық жіктелуі	ҚазҰПУ хабаршысы, «физика-математика ғылымдары» сериясы. – 2018. – Т.63, №3.- P.89-95. <u>View of Vol. 63 No. 3 (2018): Bulletin Abai KazNPU. Series of Physics &amp; Mathematical Sciences</u>	Дауылбаев М.Қ.
4.	Сингулярлы ауытқыған жоғарғы ретті интегралды-дифференциалдық теңдеу үшін Коши есебі шешімінің асимптотикалық жіктелуі	ҚазҰПУ хабаршысы, «физика-математика ғылымдары» сериясы. – 2018. – Т.63, №3.- P.95-102. <u>View of Vol. 63 No. 3 (2018): Bulletin Abai KazNPU. Series of Physics &amp; Mathematical Sciences</u>	
5.	Asymptotic convergence of the solution of the initial value problem for singularly perturbed higher-order integro-differential equation	International Journal of Mathematics and Physics. – 2018. – Vol.9, №1.- P.50-59. <a href="https://doi.org/10.26577/ijmph.2018.v9i1.246">https://doi.org/10.26577/ijmph.2018.v9i1.246</a>	Dauylbayev M.K., Akhmet M., Uaissov A.B.
6.	Asymptotic expansion of solution of general BVP with initial jumps for higher-order singularly perturbed integro-differential equation	News of the National Academy of Sciences of the Republic of Kazakhstan, «physico-mathematical series». – 2018. – Vol.322, №6.- P.28-36. <a href="https://doi.org/10.32014/2018.2518-1726.14">https://doi.org/10.32014/2018.2518-1726.14</a>	Dauylbayev M.K., Atakhan N.

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7.	Asymptotic convergence of the solution for singularly perturbed boundary value problem with boundary jumps	Bulletin of the Karaganda university, «Mathematics Series». – 2018. – Vol.92, №4.- P.64-71. <a href="https://doi.org/10.31489/2018m4/64-71">https://doi.org/10.31489/2018m4/64-71</a>	Atakhan N., Asset N., Rysbek A.
8.	A boundary jumps phenomenon in the integral boundary value problem for singularly perturbed differential equations	Bulletin of the Karaganda university, «Mathematics Series». – 2020. – Vol.98, №2.- P.46-58. <a href="https://doi.org/10.31489/2020m2/46-58">https://doi.org/10.31489/2020m2/46-58</a>	Bukanay N.U., Dauylbayev M.K., Konisbayeva K.T.
9.	Analytical solution of initial value problem for ordinary differential equation with singular perturbation and piecewise constant argument	al-Farabi KazNU, Journal of Mathematics, Mechanics and Computer Science. – 2024. – Vol.122, №2.- P.3-13. <a href="https://doi.org/10.26577/JMMCS2024-122-02-b1">https://doi.org/10.26577/JMMCS2024-122-02-b1</a>	Artykbayeva Zh.N., Assilkhan A.A.
10.	Uniform asymptotic expansion of the solution for the initial value problem with a piecewise constant argument	Bulletin of the Karaganda, «Mathematics Series». – 2024. – Vol.116, №4.-P.138-148. <a href="https://doi.org/10.31489/2024m4/138-148">https://doi.org/10.31489/2024m4/138-148</a>	Konisbayeva K.T.
11.	Long-term analysis of solutions with initial jumps in singularly perturbed equations	International Journal of Mathematics and Physics. – 2024.–Vol.15, №2.-P.110-118. <a href="https://doi.org/10.26577/ijmph.2024v15i2b11">https://doi.org/10.26577/ijmph.2024v15i2b11</a>	Artykbayeva Zh.
12.	Asymptotic expansion of the solution of the nonlocal BVP with initial jumps for singularly perturbed integro-differential equation	Fourth International Conference on Analysis and Applied Mathematics. –Mersin, 2018. – P.40.	Dauylbaev M.K.
13.	Asymptotic behavior of the solution of a boundary value problem with an initial jump for a singularly perturbed integro-differential equation	Annual International April Mathematical Conference.-Almaty.-2023.-P.124.	Artykbayeva Zh.
14.	The passage to the limit of a singularly perturbed Cauchy problem	International Conference "Computational and Information Technologies in Science, Engineering and Education" (CITech-2024).-Almaty.-2024.-P.87.	Mekembay B.

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