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Эржан Челик
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Билими

1	Бакалавр	1991 - 1995	Математика, Ататүрк университети
2	Магистр	1995 - 1998	математика, Ататүрк университети
3	Ph.D	1998 - 2002	математика, Ататүрк университети

Тил билүү деңгээли

#	Тил	Угуп түшүнүү	Окуп түшүнүү	Өз ара сүйлөшүү	Оозеки түшүндүрүү	Жазуу
1	Англисче	B1	B1	B1	B1	B1

A1: Beginner **A2:** Elementary **B1:** Pre-Intermediate **B2:** Intermediate **C1:** Upper-Intermediate **C2:** Advanced

Диссертациялары

1	Магистрдик диссертация	1998	Grobner Кээ бир жана Тиркемелер математика, Ататүрк университети
2	Доктордук диссертация	2002	Дифференциалдык-алгебралык теңдемелердин сандык чечимдери математика, Ататүрк университети

Илимий багыттары

Математика, Колдонмо математика

Илимий даражалары

1	Др.	2002	математика, Ататүрк университети
2	Доц.М.А.Др.	2002	математика, Ататүрк университети

3	Доц.Др.	2010	математика, Ататүрк университети
4	Проф.Др.	2016	математика, Ататүрк университети

Берген сабактары

МАТ-627 Сызыктуу эмес дифференц-ык теңдем-ин тандалма темалары

МАТ-407 Математикалык моделдөө

УМЕ-203 Дифференциалдык теңдемелер i

УМЕ-407 Математикалык моделдую

УМЕ-451 Квалификациялык бүтүрүү иши i

УМЕ-204 Дифференциалдык теңдемелер ii

УМЕ-332 Айрым туундулуу теңдемелер ii

УМЕ-335 Сандык анализ i

УМЕ-352 Колдонмо графтар теориясы

МАТ-332 Айрым туундулуу дифференциалдык теңдемелер ii

УМЕ-416 Айрым туундулуу дифф.теңдемелерди сандык чыгаруу

FBE-800 Магистрдик диссертация

МАТ-500 Магистрдик диссертация

МАТ-502 Илим изилдөө практикасы

МАТ-521 Дифференциалдык теңдемелердин тереңдетилген курсу

МАТ-614 Тереңдетилген сандык анализ

УМЕ-452 Квалификациялык бүтүрүү иши ii

МАТ-530 Интегралдык теңдемердин системалары

МАТ-234 Дифференциалдык теңдемелер ii

УМЕ-234 Дифференциалдык теңдемелер ii

УМЕ-244 Ыктымалдыктар теориясы жана математикалык статистика

Административдик кызматтары

#	Кызматы	Бөлүм	Башталышы	Бүтүшү
1	Бөлүм башчысы	Колдонмо математика жана информатика бөлүмү	06.07.2023	-
2	ÖSYM башчысы	Студент тандоо жана жайгаштыруу борбору	19.09.2023	-

Жетекчилик кылган диссертация темалары

1	Магистр Ноориза Мырзабекова 2023 LAPLACE-PADE METODUYLA LINEER VE LINEER OLMAYAN DIFERANSİYEL-CEBRİSEL DENK.
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SCI, SCI-E, SSCI жана ANCI индекстүү журналдарда басылган макалалары

1. A.O.Akdemir, s.Aslan, M.A.Dokuyucu, [E.ÇELİK](#). (2023). Exponentially Convex Functions on the Coordinates and Novel Estimations via Riemann-Liouville Fractional Operator. Journal of functional spaces, 2023(ID4310880), 1-9. DOI: 10.1155/2023/4310880. <https://www.webofscience.com/wos/woscc/full-record/WOS:000965994100004>.
2. A.Aykut, [E.ÇELİK](#). (2023). The Consecutive Substitution Method for Boundary Value Problems (BVPs) with Retarded Argument. JOURNAL OF APPLIED MATHEMATICS, 12 Apr 2023(ID3226604), 1-5. DOI: 10.1155/2023/3226604. <https://www.webofscience.com/wos/woscc/full-record/WOS:000974779000001>.
3. S.Ş.Ş.KILIÇ, [E.ÇELİK](#), H.Bulut. (2023). Solitary wave solutions to some nonlinear conformable partial diferential equations. Optical and Quantum Electronics, 55(-), 695. DOI: 10.1007/s11082-023-04983-7. -.
4. [E.ÇELİK](#), R.Najafi, N.Uyanık. (2023). Invariant Solutions and Conservation Laws of the Time-Fractional Telegraph Equation. Advances in Mathematical Physics, 2023(-), -. DOI: <https://doi.org/10.1155/2023/1294070>. -.
5. N.Y.AKSOY, [E.ÇELİK](#), M.ZENGİN. (2022). On optimal control of a charged particle in a varying electromagnetic field. WAVES IN RANDOM AND COMPLEX MEDIA, -(-), -. DOI: 10.1080/17455030.2022.2142695. <https://www.webofscience.com/wos/woscc/full-record/WOS:000881378000001>.
6. N.M.Lanbaran, [E.ÇELİK](#), Ö.KOTAN. (2022). Using Fuzzy-Rough Subset Evaluation for Feature Selection and Naive Bayes to Classify the Parkinson's Disease. MISKOLC MATHEMATICAL NOTES, 23(2), 787-800. DOI: 10.18514/MMN.2022.3855. -.
7. S.Ş.Ş.KILIÇ, [E.ÇELİK](#). (2022). Complex solutions to the higher-order nonlinear boussinesq type wave equation transform. Ricerche di Matematica (A Journal of Pure and Applied Mathematics), (-), -. DOI: 10.1007/s11587-022-00698-1. <https://www.webofscience.com/wos/woscc/full-record/WOS:000791645500001>.
8. T.Yazgan, E.ilhan, [E.ÇELİK](#), H.Bulut. (2022). On the new hyperbolic wave solutions to Wu-Zhang system models. OPTICAL AND QUANTUM ELECTRONICS, 54(5), 298. DOI: 10.1007/s11082-022-03683-y. <https://www.webofscience.com/wos/woscc/full-record/WOS:000783044000010>.
9. A.ENGİN, Y.SARAÇ, [E.ÇELİK](#). (2022). ON OPTIMAL CONTROL OF THE INITIAL VELOCITY OF AN EULER-BERNOULLI BEAM SYSTEM. THERMAL SCIENCE, 22(2), 735-744. DOI: 10.2298/TSCI22S2735E. <https://www.webofscience.com/wos/woscc/full-record/WOS:000921231700025>.
10. H.GÜNDÜZ, [E.ÇELİK](#). (2022). H-infinity-NORM EVALUATION FOR A TRANSFER MATRIX VIA BISECTION ALGORITHM. THERMAL SCIENCE, 22(2), 745-751. DOI: 10.2298/TSCI22S2745G . <https://www.webofscience.com/wos/woscc/full-record/WOS:000921231700026>.

Башка журналдарда басылган макалалары

1. H.GÜNERHAN, M.K.A.Kaabar, [E.ÇELİK](#). (2023). Novel Analytical and Approximate-Analytical

- Methods for Solving the Nonlinear Fractional Smoking Mathematical Model. Sigma Journal of Engineering and Natural Sciences, 41(2), 331-343. DOI: 10.14744/sigma.2021.00073. <https://www.webofscience.com/wos/woscc/full-record/WOS:000983868500004>.
2. N.Y.Aksoy, E.ÇELİK, M.E.Dadaş. (2023). The solvability of the optimal control problem for a nonlinear Schrödinger equation. An International Journal of Optimization and Control: Theories & Applications, 13(2), 269-276. -.
 3. T.YAZGAN, G.YEL, E.ÇELİK, H.BULUT. (2023). On Survey of the Some Wave Solutions of the Non-Linear Schrödinger Equation (NLSE) in Infinite Water Depth. Gazi Journal of Engineering Sciences, 36(2), 819-843. -.
 4. E.ÇELİK, Ö.KOTAN. (2022). The Solution of Linear Volterra Integral Equation of the First Kind with Aboodh Transform. Journal of Abstract and Computational Mathematics, 7(1), 1-9. <file:///C:/Users/User/Downloads/JACM-2022-7-1.15580.pdf>.

Докладдары

1. E.ÇELİK, H.Gündüz, M.Karabacak. Computing of H^∞ -Norm of Transfer Functions of DAEs by Extended Balanced Singular Perturbation. The Seventh International Conference on Computational Mathematics and Engineerin, 2023. <https://www.cmescongress.org/>.
2. E.ÇELİK, N.Mirzabekova. The Solution of Bonlinear Chemical Akzo Nobel Problem Modeled as Differential-Algebraic Equations(DAEs) with Laplace-Padé Series Method. The Seventh International Conference on Computational Mathematics and Engineerin, 2023. <https://www.cmescongress.org/>.
3. E.ÇELİK, N.Y.Aksoy, M.Zengin. The Necessary Optimality Condition On a Control Problem fort the Schrödinder Equation. The Seventh International Conference on Computational Mathematics and Engineerin, 2023. <https://www.cmescongress.org/>.
4. E.ÇELİK, M.Z.Kaya, M.Karabacak. Solutions of Partial Differential Equations with Hosoya Neural Network. The Seventh International Conference on Computational Mathematics and Engineerin, 2023. <https://www.cmescongress.org/>.
5. E.ÇELİK, E.Ilhan, M.Yigider, H.Bulut. Some New Solutions of Time Fractional Resonant Daveys- Tewartson Equations,. The Seventh International Conference on Computational Mathematics and Engineerin, 2023. <https://www.cmescongress.org/>.
6. E.ÇELİK, N.M.LANBARAN, M.YİĞİDER. Quantum fuzzy based on deep reinforcement method for optimization of energy management systems. 7th International Conference on Mathematics: An Istanbul Meeting for World Math, 2023. <https://icomath.com/?target=sayfalar&id=2>.
7. E.ÇELİK, E.KHODADADI, M.KARABACAK. A New Score Function Based on Pythagorean Fuzzy Set to Multiple Criteria Group Decision-Making. I. International Congress On Finance, Economy And Sustainable Policies (ICOFESP, 2023. DOI: -. <https://www.kongreuzmani.com/site.html?https://icofesp.com>.
8. E.ÇELİK, H.Bulut, S.Ibrahim, T.A.Sulaiman, A.Yusuf. SOLUTIONS TO THE (N+1)-DIMENSIONAL NLSE EQUATION WITH M-TRUNCATED DERIVATIVE. The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
9. E.ÇELİK, S.Ş.Ş.KILIÇ, H.Bulut. SOLUTION OF (2+1)-DIMENSIONAL QUANTUM ZAKHAROVKUZNETSOV EQUATIONS USING THE THE MODIFIED $\exp(-\Omega(\xi))$ -EXPANSION FUNCTION METHOD, . The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
10. E.ÇELİK, B.Karaağaç, A.Esen, E.Pindza. NUMERICAL DYNAMICS OF VARIABLE ORDER FRACTIONAL BENNEY-LIN EQUATION VIA FINITE ELEMENT COLLOCATION METHOD. The Sixth International Conference on Computational Mathematics and Engineering , 2022.

<https://2022.cmescongress.org/>.

11. E.ÇELİK, E.Sefidgar, B.Shiri. COMPLEX TRANSFORM METHOD FOR SYSTEM OF FRACTIONAL DIFFERENTIAL EQUATIONS AND APPLICATIONS. The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
12. E.ÇELİK, H.Gündüz. COMPUTATION OF H_{∞} -NORM OF A TRANSFER MATRIX VIA BISECTION ALGORITHM. The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
13. E.ÇELİK, T.Tazğan, E.İlhan, H.Bulut. THE SINE-GORDON EXPANSION METHOD AND THE MODIFIED EXPANSION FUNCTION METHOD FOR NEW HYPERBOLIC WAVE SOLUTIONS OF WU-ZHANG SYSTEM MODELS. The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
14. E.ÇELİK, I.Okumus. THE GROUP LAWS ON THE ALGEBRAIC CURVES. The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
15. E.ÇELİK, N.Y.Aksoy, M.Zengin. AN OPTIMAL CONTROL PROBLEM FOR n-DIMENSIONAL SCHRÖDINGER EQUATION WITH SPECIFIC GRADIENT TERM. The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
16. E.ÇELİK, E.Khodadadi, M.Karabacak. PREDICTOR-CORRECTOR (m+1) –STEP METHOD FOR SOLVING FUZZY ORDINARY DIFFERENTIAL EQUATIONS BY USING THE INTERPOLATION OF FUZZY NUMBER. The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
17. E.ÇELİK, E.Khodadadi, M.Karabacak. NUMERICAL SOLUTION OF FUZZY DIFFERENTIAL EQUATIONS BY TWO STEP MODIFIED SIMPSON RULE. The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
18. E.ÇELİK, A.Aykut. THE CONSECUTIVE SUBSTITUTION METHOD FOR THE BOUNDARY VALUE PROBLEM. The Sixth International Conference on Computational Mathematics and Engineering , 2022. <https://2022.cmescongress.org/>.
19. E.ÇELİK, N.Mirzabekova. The Solution of Linear and Non-Linear Differential-Algebraic Equations(DAEs) with Laplace-Padé Series Method. 6th International Conference on Advances in Natural and Applied Sciences, 2022. <https://icanas.agri.edu.tr/>.