



## FACULTY OF PHYSICS AND MATHEMATICS

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	• 1997 – 2001 Urgench State University (bachelor)
EDUCATION:	• 2001 – 2003 Urgench State University (master)
CAREER / EMPLOYMENT:	2003 - 2017Teacher of the Department of Applied Mathematics and Mathematical Physics, UrSU2017 - 2020Deputy Dean of the faculty of Physics and Mathematics, UrSU2020 - so farSenior lecturer Department of Applied Mathematics and Mathematical Physics, UrSU
SPECIALITY	• Mathematics
TEACHING SUBJECTS:	Differential Equation, Equations of Mathematical Physics
RESEARCH AREAS OF INTEREST:	Integration of nonlinar finite difference equations
PRESENT PROJECTS:	<ul> <li>Babajanov B.A., Ruzmetov M.M., Babajanov A.B., On the integration of a Toda-type chain with an integral type source, Bulletin of the Institute of Mathematics, 2020, No.1, pp. 15-26.</li> <li>Babajanov B.A., Ruzmetov M.M., On the Construction and Integration of a Hierarchy for the Periodic Toda Lattice with a Self-Consistent Source, The Bulletin of Irkutsk State University. Series Mathematics, 2021, Volume 38, Pages 3–18. DOI: <u>10.26516/1997-7670.2021.38.3</u></li> <li>Ruzmetov M.M., Integration of the finite complex Toda type lattice by the method of inverse spectral problem, Uzbek Mathematical Journal 2022, Volume 66, Issue 1, pp.149-160 DOI: <u>10.29229/uzmj.2022.1-13</u></li> <li>Babajanov B.A., Ruzmetov M.M., Sadullayev Sh.O., Solving a finite complex Toda type lattice by the method of inverse spectral problem, AIP Conference Proceedings 2781, 020023 (2023) <u>https://doi.org/10.1063/5.0144745</u></li> <li>Babajanov B.A., Ruzmetov M.M., Sadullayev Sh.O., Integration of the finite complex Toda lattice with a self-consistent source, Partial Differential Equations in Applied Mathematics 7C (2023) 100510, DOI: <u>10.1016/j.padiff.2023.100510</u></li> <li>Babajanov B.A., Ruzmetov M.M., Solution of the Finite To da Lattice with Self-Consistent Source, Lobachevskii Journal of Mathematics, 2023, Vol. 44, No. 7, pp. 2587–2600. DOI: <u>10.1134/S1995080223070089</u></li> </ul>
LIST OF SELECTED PAPERS	Integration of the complex Toda equation with a self-consistent source.