



Javad Farzi

Associate Professor

College: Faculty of Basic Sciences

Education

Degree	Graduated in	Major	University
MSc		Applied Mathematics	University of Tabriz
Ph.D		Applied Mathematics	Tarbiat Modares University
BSc		Applied Mathematics	University of Tabriz

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
Department of Mathematics	Associate professor	Tenured	Full Time	22

Papers in Journals

1. M Babaei, J Farzi, Derivation of weighting rules for developing a class of A-stable numerical integration scheme: $\square I-(2+3)P$ method, Journal of Difference Equations and Applications, 2023.
2. SM Yeganeh, J Farzi, Maximum principle and positivity-preserving high order spectral volume schemes with parametrized flux limiters for solving hyperbolic conservation laws, Journal of Computational and Applied Mathematics, 2022.
3. SM Yeganeh, J Farzi, A class of non-oscillatory direct-space-time schemes for hyperbolic conservation laws, Applied Mathematics and Computation, 2021.
4. A Moradi, J Farzi, A Abdi, Order conditions for second derivative general linear methods, Journal of Computational and Applied Mathematics, 2021.
5. F Khodadosti, J Farzi, MM Khalsaraei, Monotonicity-Preserving Lax-Wendroff Scheme for Solving Scalar Hyperbolic Conservation Laws, Bulletin of the Iranian Mathematical Society, 2021.
6. F Khodadosti, J Farzi, MM Khalsaraei, Monotonicity-preserving splitting schemes for solving balance laws, Iranian Journal of Numerical Analysis and Optimization, 2021.
7. A Moradi, A Abdi, J Farzi, Strong stability preserving second derivative general linear methods with Runge-Kutta stability, Journal of Scientific Computing, 2020.

8. A Moradi, A Abdi, J Farzi, Strong stability preserving second derivative diagonally implicit multistage integration methods, *Applied Numerical Mathematics*, 2020.
9. A Moradi, J Farzi, A Abdi, Strong stability preserving second derivative general linear methods, *Journal of Scientific Computing*, 2019.
10. J Farzi, F Khodadosti, A total variation diminishing high resolution scheme for nonlinear conservation laws, *Computational Methods for Differential Equations*, 2018.
11. MY Ongun, D Arslan, J Farzi, Numerical solutions of fractional order autocatalytic chemical reaction model, *Sleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi*, 2017.
12. J Farzi, Global error estimation of linear multistep methods through the Runge-Kutta methods, *Iranian Journal of Numerical Analysis and Optimization*, 2016.
13. J Farzi, Generalized extrapolation methods for solving nonlinear Fredholm integral equations, *Mathematical Communications*, 2014.
14. J Farzi, SM Hosseini, High order immersed interface method for acoustic wave equation with discontinuous coefficients, *Iranian Journal of Numerical Analysis and Optimization*, 2014.
15. J Farzi, A High Order Approximation of the Two Dimensional Acoustic Wave Equation with Discontinuous Coefficients, *Computational Methods for Differential Equations*, 2013.