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Education

Degree	Graduated in	Major	University
BSc	2000	Pure Mathematics	University of Isfahan
MSc	2002	Pure Mathematics	University of Isfahan
Doctoral	2009	Applied Mathematics	Isfahan University of Technology

Papers in Conferences

- حمیدرضا تبریزی دوز، معرفی یک پایه در روش گالرکین بر اساس پایه موجک چندگانه لژاندر، چهارمین کنفرانس بین المللی جبر محاسباتی، نظریه محاسباتی اعداد و کاربردها (یادبود پروفسور علی رضا اشرفی)، ۱ - کاشان، ۲۰۲۳ ۰۷ ۰۴ .
- Legendre wavelet Galerkin method for semi-discretizing one dimensional diffusion equations ,55th annual Iranian Mathematics Conference , 1 - 14 08 2024, مشهد .
- Legendre multiwavelet basis for solving boundary value problems ,4th International Conference on Computational Algebra, Computational Number Theory and Applications (Memorial of Professor Alireza Ashrafi) , 1 - 04 07 2023, کاشان .
- H.R. Tabrizidooz , M. Babaei , Haskouei ,A Chebyshev spectral method to find the extremum of the functional $J[u]=\int_{-1}^1\int_{-1}^1[(u_x)^2+(u_y)^2-2u]dxdy$,The 1st Seminar on Control and Optimization ,2017.
- M. Hedayati , M. Pourbabaee , H.R. Tabrizidooz ,On the modification of pseudospectral method for optimal control of switched systems ,12th Seminar on Differential Equations and Dynamical Systems ,2015.
- H.R. Tabrizidooz ,& M. Pourbabaee ,A modified pseudospectral method for optimal control problems with nonsmooth solution ,44th Annual Iranian Mathematics Conference Conference ,2013.
- H.R. Tabrizidooz ,& B. Yousefiyan Amirkhiz ,A composite pseudospectral method for solving delay optimal control problems ,44th Annual Iranian Mathematics Conference ,2013.
- H.R. Tabrizidooz ,& H.R. Marzban ,A composite pseudospectral collocation method for nonlinear optimal control problems ,44th Annual Iranian Mathematics Conference ,2013.
- H.R. Tabrizidooz ,& M. Pourbabaee ,Solution of nonlinear optimal control problems with inequality constraints by a modified pseudospectral method ,4th Conference on Numerical Analysis and its Applications ,2013.

10. H.R. Tabrizidooz ,On the weak representations of derivative operator for a composite interpolation method ,4th Conference on Numerical Analysis and its Applications ,2013.

Papers in Journals

1. رؤیا وزیری دوقزلو,حمیدرضا تبریزی دوز,مصطفی شمسى,یک روش عناصر متناهی کارا برای مسائل کنترل بهینه شامل ۱۴۰۳/۰۷/۰۹,مجله علمی محاسبات نرم,ISC,معادلات پخش زمان-کسری مرتبه توزیع شده,مجله علمی محاسبات نرم,۱۴۰۳/۰۷/۰۹.
2. A direct transcription method for solving distributed-order fractional optimal control problems,Journal of Vibration and Control,2024 03 13,JCR.
3. Hamid Reza Tabrizidooz, Fatemeh Hajiramezanali.A numerical algorithm for determining time-dependent coefficient in a parabolic inverse problem using Legendre multiwavelet base (in persian).مجله علمی محاسبات نرم,۱۴۰۱,۲۶ ۰۵.
4. H.R. Tabrizidooz ,& K. Shabanpanah,Bernstein polynomial basis for numerical solution of boundary value problems,Numerical Algorithms,Vol. 77,pp. 211-228,2018.
5. H.R. Tabrizidooz , H.R. Marzban , M. Pourbabaee , M. Hedayati,A composite pseudospectral method for optimal control problems with piecewise smooth solutions,Journal of the Franklin Institute,Vol. 354,pp. 2393-2414,2017.
6. H.R. Tabrizidooz , M. Pourbabaee , M. Hedayati,Optimal control of switched systems by a modified pseudospectral method,Iranian Journal of Mathematical Chemistry,Vol. 8,pp. 161-173,2017.
7. H.R. Marzban ,& H.R. Tabrizidooz,A hybrid approximation method for solving Hutchinson's equation,Communications in Nonlinear Science and Numerical Simulation,Vol. 17,pp. 100-109,2012.
8. H.R. Marzban ,& H.R. Tabrizidooz,Composite interpolation method and the corresponding differentiation matrix,Bulletin of the Iranian Mathematical Society,Vol. 37,pp. 21-34,2011.
9. H.R. Marzban , H.R. Tabrizidooz , M. Razzaghi,A composite collocation method for the nonlinear Mixed Volterra-Fredholm-Hammerstein integral equations,Communications in Nonlinear Science and Numerical Simulation,Vol. 16,pp. 1186-1194,2011.
10. H.R. Marzban ,& H.R. Tabrizidooz,Solution of nonlinear delay optimal control problems using a composite pseudospectral collocation method,Communications on Pure and Applied Analysis,Vol. 9,pp. 1379-1389,2010.
11. H.R. Tabrizidooz , H.R. Marzban , M. Razzaghi,Solution of the generalized Emden-Fowler equations by the hybrid functions method,Physica Scripta,Vol. 80,2009.
12. H.R. Marzban , H.R. Tabrizidooz , M. Razzaghi,Solution of variational problems via hybrid functions,IET Control Theory and Applications,Vol. 3,pp. 1363-1369,2009.
13. H.R. Marzban , H.R. Tabrizidooz , M. Razzaghi,Hybrid functions for nonlinear initial-value problems with applications to Lane-Emden type equations,Physics Letters, Section A: General, Atomic and Solid State Physics,Vol. 372,pp. 5883-5886,2008.