

Aida Pakniyat

a_pakniyat@sbu.ac.ir

Data Birthday: 1984

EDUCATION

Doctoral degree, Shahid Beheshti University

Ph.D. Supervisor: Professor Kourosh Parand, Shahid Beheshti University, Tehran, Iran.

2023

Ph.D. in Computer Science

Thesis "Mixed spectral and machine learning method for solving differential equations"

Relevant course: Numerical Solution of Partial Differential Equation, Advanced math software, Meshfree Approximation Methods, Matrix computing, Parallel Algorithm, Data mining

Qualification Exam = 18.61/20

Grade = 19/20

Master's degree, Kharazmi University

M.Sc. Supervisor: Dr. Mir Mohsen Pedram, Kharazmi University, Tehran, Iran.

2017

MSc of Artificial Intelligence

Thesis "Analysis of the decision rightness by eye tracking"

Relevant courses: Machine Learning, Fuzzy Logic, Image Processing, Pattern Recognition, Speech processing, Data maiming, Genetic algorithm

Grade = 19/20

Computer Skills

Programming: C++, Python

Application: Eye tracker, EEG

Programs: Matlab, Maple, Anaconda, Python, Unity

Conferences

Application of fuzzy expert systems in star rating 4 th Iranian Join Congress On Fuzzy and Intelligence System	September 2015
Deploying eye tracking in a dynamic virtual environment 5 th Iranian Join Congress On Fuzzy and Intelligence System	March 2015
DECISION-MAKING EVALUATION USING EYE TRACKING METHOD 7 th International Conference of Cognitive Science	April 2017
Decision-Making Analysis Using Eye Tracker in Fuzzy Systems 9 th National Conference on Mathematics of Payame Noor University	October 2017

Paper

Publish

Using Hermite neural networks to solve the time-independent Schrodinger equation A. Pakniyat, K. Parand Indian Journal of Physics	2023
Hermite neural network for solving the Blasius equation A. Pakniyat, K. Parand Computational Mathematics and Computer Modeling with Applications (CMCMA)	2022
Numerical solution for solving magnetohydrodynamic (MHD) flow of nanofluid by least squares support vector regression A. Pakniyat Computational Mathematics and Computer Modeling with Applications (CMCMA)	2022
Least squares support vector regression for differential equations on unbounded domains A. Pakniyat, K. Parand, M. Jani Chaos, Solitons & Fractals	2021

Under Review

An advanced numerical approach to solve viscous flow via modified generalized Laguerre functions
Z. Hajimohammadi, K. Parand, A. Pakniyat
Iranian Journal of Mathematical Sciences and Informatics

Submit

Hermite Neural Network Simulation for Solving the 2D Schrodinger Equation
K. Parand, A. Pakniyat