University of Kashan

Mehdi Sabzevari

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EDUCATION

Ph.D. Applied Mathematics, K.N T. University of Technology, 2007-2012.
M.Sc. Applied Mathematics, K.N T. University of Technology, 2004-2006.
B.Sc. Pure Mathematics, University of Kashan, 2000-2004.

RESEARCH INTERESTS

- Stochastic Processes
- Numerical Analysis
- Numerical solutions for Integral Equations
- Gambler's Ruin Problem and Queuing Systems

PUBLICATIONS

Journal Papers

- M. Sabzevari, *Erratum to ``Numerical solution of linear Fredholm integral equation by using hybrid Taylor and Block-Pulse functions"[Appl. Math. Comput. 149 (2004) 799-806],* Appl. Math. Comput., **339** (2018) 302-307.
- M. Sabzevari, *Variance of the asymmetric n-player gambler's ruin problem with ties allowed,* Communications in Statistics-Simulation and Computation, **47** (2018) 1540-1549.
- S.M. Hashemiparast, M. Sabzevari, *The two-dimensional asymmetric gambler's ruin problem with n players and simulations*, Communications in Statistics-Simulation and Computation, **41** (2012) 1895-1911.
- S.M. Hashemiparast, M. Sabzevari, *The asymmetric n-player gambler's ruin problem with ties allowed and simulation*, Journal of the Korean Statistical Society, **40** (2011) 267–276.
- S.M. Hashemiparast, M. Sabzevari, H. Fallahgoul, *Improving the Solution of Nonlinear Volterra Integral Equations Using Rationalized Haar s-Function*, Vietnam Journal of Mathematics, **39:2** (2011) 145-157.
- S.M. Hashemiparast, M. Sabzevari, H. Fallahgoul, *Using crooked lines for the higher accuracy in system of integral equations,* J. Appl. Math. & Inf., **29** (2011) 145 − 159.

Conference Papers

- S.M. Hashemiparast, M. Sabzevari, *Using crooked lines for Numerical solution of Volterra integral equations,* Fifth International Conference of Applied Mathematics and Computing, Plovdiv, Bulgaria, August 17, 2008.
- S.M. Hashemiparast, M. Sabzevari, *Improving the Solution of Nonlinear Fredholm Integral Equations Using Rationalized Haar s-Function*, Third International Conference on Modeling, Simulation and Applied Optimization, Sharjah, U.A.E., January 2009.
- S.M. Hashemiparast, M. Sabzevari, *The multi dimensional asymmetric n-player gambler's ruin problem with simulation*, 8th seminar probability and stochastic processes, Guilan, 2011.

- M. Sabzevari, *Solving Fredholm integral equations by linear functions using rationalized Haar functions,* 47*th* Annual Iranian Mathematics Conference (AIMC47), Kharazmi University, 2016.
- M. Sabzevari, D. Poorsina, *Asymptotic results for the asymmetric n-player gambler's ruin problem with ties allowed,* 48*th* Annual Iranian Mathematics Conference, Bu-Ali Sina University, 2017.

GRADUATE AND UNDERGRADUATE COURSES

- UNDERGRADUATE COURSES: Stochastic processes, Queuing theory, Calculus 1,2, Combinatorial Mathematics, Numerical Analysis, Engineering statistics and probabilities.
- GRADUATE COURSES: Numerical solutions for Integral Equations, Simulations and Modeling for computer systems.

COMPUTER SKILLS

- Maple, SPSS, LaTex, Microsoft Office.

LANGUAGE SKILLS

- Persian, English.