

Curriculum Vitae

Somayeh Sharifi

E-mail: somayeh.sharifi69@yahoo.com
somayeh.sharifi@medalics.org
Phone: +98 918 817 7545

EDUCATION

Islamic Azad University, Hamedan, Iran

M.Sc., Applied Mathematics, 2010-2012:

Dissertation: “Analysis of two Chebyshev-Like third order methods free from second derivatives for solving systems of nonlinear equations”

Bu-Ali Sina University, Hamedan, Iran

B.Sc., Pure Mathematics, 2002-2006

RESEARCH INTERESTS

Numerical Analysis (root findings)

Game Theory

Differential Games

Supply Chain

COMPUTER SKILLS

Mathematica

Latex

Microsoft office

RESEARCH EXPERIENCES

Researcher of MEDALics, Research Center at Università per Stranieri Dante Alighieri, Reggio Calabria, Italy, March 2016 - present

Member of Young Researchers and Elite Club, Hamedan Branch, Islamic Azad University, Hamedan, Iran, November 2014 - November 2017

HONOR

Gold Medal, Invention, Research and Innovation Exhibition (PRPI) 2016, UPM

PUBLICATIONS

- [12] Salimi, M., Nik Long, N.M.A., Sharifi, S., Pansera, B.A. (2018): A multi-point iterative method for solving nonlinear equations with optimal order of convergence, *Japan Journal of Industrial and Applied Mathematics*, 35 (2), 497-509.
DOI 10.1007/s13160-017-0294-4
(<https://link.springer.com/article/10.1007/s13160-017-0294-4>)
- [11] Ferrara, M., Khademi, M., Salimi, M., Sharifi, S. (2017): A Dynamic Stackelberg Game of Supply Chain for a Corporate Social Responsibility, *Discrete Dynamics in Nature and Society*, vol. 2017, Article ID 8656174, 8 pages.
DOI 10.1155/2017/8656174
(<https://www.hindawi.com/journals/ddns/2017/8656174/>)
- [10] Nik Long, N.M.A., Salimi, M., Sharifi, S., Ferrara, M. (2017): Developing a new family of Newton–Secant method with memory based on a weight function, *SeMA Journal*, 74 (4), 503-512.
DOI 10.1007/s40324-016-0097-6
(<http://link.springer.com/article/10.1007/s40324-016-0097-6>)
- [9] Salimi, M., Lotfi, T., Sharifi, S., Siegmund, S. (2017): Optimal Newton-Secant like methods without memory for solving nonlinear equations with its dynamics, *International Journal of Computer Mathematics*, 94 (9), 1759-1777.
DOI 10.1080/00207160.2016.1227800
(<http://www.tandfonline.com/doi/abs/10.1080/00207160.2016.1227800?journalCode=gcom20>)
- [8] Ferrara, M., Sharifi, S., Salimi, M. (2017): Computing multiple zeros by using a parameter in Newton-Secant method, *SeMA Journal*, 74 (4), 361-369.
DOI: 10.1007/s40324-016-0074-0
(<http://link.springer.com/article/10.1007/s40324-016-0074-0>)
- [7] Matthies, G., Salimi, M., Varona, J.L., Sharifi, S. (2016): An optimal three-point eighth-order iterative method without memory for solving nonlinear equations with its dynamics, *Japan Journal of Industrial and Applied Mathematics*, 33 (3), 751-766.
DOI 10.1007/s13160-016-0229-5
(<http://link.springer.com/article/10.1007/s13160-016-0229-5>)
- [6] Sharifi, S., Ferrara, M., Salimi, M., Siegmund, S. (2016): New modification of Maheshwari method with optimal eighth order of convergence for solving nonlinear equations, *Open Mathematics (formerly Central European Journal of Mathematics)*, 14, 443-451.
DOI 10.1515/math-2016-0041
(<http://www.degruyter.com/view/j/math.2016.14.issue-1/math-2016-0041/math-2016-0041.xml?format=INT>)
- [5] Sharifi, S., Salimi, M., Siegmund, S., Lotfi, T. (2016): A new class of optimal four-point methods with convergence order 16 for solving nonlinear equations, *Mathematics and Computers in Simulation*, 119, 69-90.
DOI:10.1016/j.matcom.2015.08.011

(<http://www.sciencedirect.com/science/article/pii/S0378475415001767>)

- [4] Salimi, M., Ibragimov, G., Siegmund, S., Sharifi, S. (2016): On a Fixed Duration Pursuit Differential Game with Geometric and Integral Constraints, *Dynamic Games and Applications*, 6 (3), 409-425.
DOI: 10.1007/s13235-015-0161-3
(<http://link.springer.com/article/10.1007%2Fs13235-015-0161-3>)
- [3] Sharifi, S., Siegmund, S., Salimi, M. (2016): Solving nonlinear equations by a derivative-free form of king's family with memory, *Calcolo*, 53 (2), 201-215.
DOI 10.1007/s10092-015-0144-1
(<http://link.springer.com/article/10.1007%2Fs10092-015-0144-1>)
- [2] Lotfi, T., Sharifi, S., Salimi, M., Siegmund, S. (2015): A new class of three point methods with optimal convergence order eight and its dynamics, *Numerical Algorithms*, 68 (2), 261-288.
DOI 10.1007/s11075-014-9843-y
(<http://link.springer.com/article/10.1007%2Fs11075-014-9843-y>)
- [1] Lotfi, T., Soleymani, F., Sharifi, S., Shateyi, S., Khaksar Haghani, F. (2014): Multi-point iterative methods for finding all the simple zeros in an interval, *Journal of Applied Mathematics*, vol. 2014, Article ID 601205, 13 pages
(<https://www.hindawi.com/journals/jam/2014/601205/>)

SUBMITTED PAPERS

- [4] Salimi, M., Behl, R., Ferrara, M., Sharifi, S. (2018): Some real life applications of a newly constructed derivative free iterative scheme, *Japan Journal of Industrial and Applied Mathematics*.
- [3] Jamaludin, N.A.A., Nik Long, N.M.A., Salimi, M., Sharifi, S. (2017): Review of some iterative methods for solving nonlinear equations with multiple zeros, *Afrika Matematika*.
- [2] Sharifi, S., Ferrara, M., Nik Long, N.M.A., Salimi, M. (2017): Modified Potra-Ptak method to determine the multiple zeros of nonlinear equations, preprint.
(<http://arxiv.org/abs/1510.00319>)
- [1] Matthies, G., Salimi, M., Sharifi, S., Varonat J.L. (2017): An optimal class of eighth-order iterative methods based on Kung and Traub's method with its dynamics, preprint.
(<http://arxiv.org/abs/1508.01748>)

CONFERENCE PAPER

- [1] Nik Long, N.M.A., Salimi, M., Sharifi, S., Ferrara, M. (2016): Developing a new family of Newton-Secant method with memory based on a weight function. *International Conference and Workshop on Mathematical Analysis*, Langkawi, Malaysia, August 2016.

LANGUAGE SKILLS

Farsi (Persian): Native

English: Excellent

REFERENCES**Dr. Mehdi Salimi**

Center for Dynamics,
Department of Mathematics,
Technische Universität Dresden, Germany
mehdi.salimi@tu-dresden.de

Professor Massimiliano Ferrara

Head of the Department of Di.Gi.ES.
Università degli Studi Mediterranea di Reggio Calabria, Reggio Calabria, Italy
Phone: +39 0965 1695446
massimiliano.ferrara@unirc.it

Professor Stefan Siegmund

Institute of Analysis, Department of Mathematics
Technische Universität Dresden, Dresden, Germany
Phone: +49 351 463 34633
stefan.siegmund@tu-dresden.de