Curriculum Vitae

Tariq A. M. Al-Fadhel
Associate Professor

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EDUCATION:

Fall'99-Fall'03	Ph.D. in Mathematics - University of Illinois at Urbana-Champaign. Thesis Title "Rates of convergence of continued fractions and an Approximation Theorem"
Fall'99-Fall'01	M. Sc. in Pure mathematics - University of Illinois at Urbana-Champaign.
Fall'95-Fall'98	M.Sc. in Mathematics - King Saud University at Riyadh. Thesis Title "Potential Theory in Planar Domains "
Spring'90-Fall'94	B.A. in Teaching Mathematics - Teachers College at Riyadh

PROFESSIONAL EXPERIENCE:

Summer,11 - present	Associate Professor at Mathematics department, College of Sciences, King Saud University at Riyadh.
Spring'04-Spring'11	Assistant Professor at Mathematics department, College of Sciences, King Saud University at Riyadh.
Fall'96-Spring'99	Teaching assistant at mathematics department, College of Sciences, King Saud University at Riyadh.
June'18 – Jan'2022	Editor-in-Chief of the Arab Journal of Mathematical Sciences.
Fall'16 - present	Member of graduate studies committee at math department
Summer'17-Fall'18	Member of Curriculum and Study Plans Administration committee
Fall'17 – Fall'18	Member of the Innovation center at College of Sciences.
Fall'12 - Summer'17	Member of the graduate studies and scientific research committee at college of science.

Fall'12 –Sprin'16	Coordinator of graduate studies committee at math department.
Summer'09 – Fall'11	Vice dean - PY Affairs, Deanship of admission and registration
Summer'07 – Spring'09	Chairman of Mathematics department, College of Sciences, King Saud University at Riyadh.
Summer'07 – Spring'09	Coordinator of graduate studies committee at math department.
Fall'05-Spring'07	Member of the graduate studies committee at math department. Director of the master program in mathematics.
Fall'05-Spring'07	Coordinator of Teaching assistant's committee at math department.
Fall'06-Spring'07	Coordinator of Mathematical Analysis committee at math department.
Fall'96-Spring'99	Teaching assistant at mathematics department, College of Sciences, King Saud University at Riyadh.

AREAS OF INTEREST:
1- Dynamical Systems.
2- Continued Fractions.
3- Complex Dynamics.
4- Chaos Theory.
5- History of mathematics.

PUBLICATIONS:
1- Tariq A. Alfadhel, "*The existence of a 3-cycle implies the existence of all cycles (another proof)* ",Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis, Vol. 28, 2021, pp 295-303.

2- Tariq A. Alfadhel, "Lucas Polynomials and the fixed points of the Gauss Map", Far East Journal of Applied mathematics, Volume 101, Number 2, 2019, pp 113-121.

3- Tariq A. Al-Fadhel and Mongi Blel *"Mobius Transformation with n-cycles geometric viewpoint"*, Arab Journal of Mathematical Sciences, Volume 19,Issue 1, January 2013, pp 21-34 .

4- Tariq A. Al-Fadhel, *"Powers of the fixed points of the Gauss Map"*, Communications in the analytic theory of continued fractions, Volume XVII, 2010.

5- Tariq A. Al-Fadhel, *"Mobius Transformation with a 2-cycle"*, Arab Journal of Mathematical Sciences, Volume 14,Number 2, December 2008, pp 11-21 .

6- Tariq A. Al-Fadhel, *"Gauss Map vs Bernoulli Shift"*, Applied Mathematics and computation, Volume 194, Issue 2, 15 December 2007, pp. 520-526.

7- Tariq A. Al-Fadhel, *"Particular Even Cycles of the Bernoulli shift"*, WSEAS Transactions

on Systems, Issue 1, Volume 5, January 2006, ISSN 1109-2777.

8- Tariq A. Al-Fadhel, "*Rates of convergence of continued fractions*", WSEAE International Conference on Applied Mathematics, 2004.

9- T. Al-Fadhel, V. Anandam and S.I. Othman, "*Biharmonic point singularities In R^n*", Arab J. Math. Sc., Volume 5, Number 1, June 1999.

TEACHING EXPERIENCE:

Spring'05-present   As an Associate professor I taught the following courses:
                                  Calculus (1) (Differential Calculus)
                                  Calculus (2) (Integral Calculus)
                                  Vector Calculus
                                  Ordinary differential equations
                                  Real Analysis (1)
                                  Real Analysis (2)
                                  Complex Analysis

Fall'97-Spring'99   As a T.A. I taught the following tutorials:
                                  Calculus (1) (Differential Calculus)
                                  Calculus (2) (Integral Calculus)
                                  General Topology
                                  Complex Analysis

COMPUTER SKILS:
1- Microsoft Office.
2- LaTex 2e.
3- Mathematica.
4- Arduino

LANGUAGES:
1- Arabic (Native Language)
2- English.
3- French (Niveau Deux)