

CURRICULUM VITAE

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PERSONAL INFORMATION

Ahmed Y. Abdallah,
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Address:

Department of Mathematics, University of Jordan, Amman 11942, Jordan.

EDUCATION

Ph. D. in mathematics, Aug. 2003, University of South Florida, USA.

M. Sc. in mathematics, Jan. 1994, University of Jordan, Jordan.

B. Sc. in mathematics, Jun. 1991, University of Jordan, Jordan.

Doctoral Dissertation Title: Global Dynamics of Damped Boussinesq Equations.

Master Thesis Title: Rational and Distributional Solutions of Linear Ordinary Differential Equations.

REFERENCES

Prof. Yuncheng You, Ph. D. dissertation supervisor,
University of South Florida, USA.
813 974 9741
you@math.usf.edu

Prof. Marcus McWaters, Chair of the mathematics department,
University of South Florida, USA.
++813 974 3838
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Prof. Joseph Liang,
University of South Florida, USA.
++813 974 4226
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Prof. Athanassions Kartsatos,
University of South Florida, USA.
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RESEARCH INTEREST

Infinite Dimensional Dynamical Systems,
Ordinary and Partial Differential Equations,
Analytic and Distributional Solutions of Linear Ordinary Differential Equations.

I had supervised 11 MASTER STUDENTS in the field of dynamical systems.

These days I'm studying the longtime behavior of nonautonomous lattice dynamical systems.

PUBLICATIONS

Published Papers in the field of Dynamical Systems.

- [1] Abdallah, Ahmed Y., Uniform exponential attractors for non-autonomous Klein–Gordon–Schrödinger lattice systems in weighted spaces, *Nonlinear Analysis*, 127 (2015), 279–297.
- [2] Abdallah, Ahmed Y., Asymptotic dynamics of second order non-autonomous systems on infinite lattices, *International Journal of Bifurcation and Chaos*, to appear.
- [3] Abdallah, Ahmed Y., Asymptotic behavior of strongly damped nonlinear beam equations, *Rocky Mountain J. Math*, to appear.
- [4] Abdallah, Ahmed Y., Uniform exponential attractors for first order non-autonomous lattice dynamical systems, *Journal of Differential Equations*, 251 (2011), 1489–1504.
- [5] Abdallah, Ahmed Y., Uniform global attractors for first order non-autonomous lattice dynamical systems, *Proc. Amer. Math. Soc.*, 138 (2010), 3219–3228.
- [6] Abdallah, Ahmed Y., Exponential attractors for second-order lattice dynamical systems, *Commun. Pure Appl. Anal.* 8 (2009), 803–813.
- [7] Abdallah, Ahmed Y., Long-time behavior for second order lattice dynamical systems, *Acta Appl. math.* 106 (2009), 47–59.
- [8] Abdallah, Ahmed Y., Exponential attractors for first-order lattice dynamical systems, *J. Math. Anal. Appl.* 339 (2008), no. 1, 217–224.
- [9] Abdallah, Ahmed Y., Exponential attractor for a nonlinear Boussinesq equation, *Acta Math. Appl. Sin. Engl. Ser.* 22 (2006), no. 3, 443–450.
- [10] Abdallah, Ahmed Y., Asymptotic behavior of the Klein-Gordon-Schrödinger lattice dynamical systems, *Commun. Pure Appl. Anal.* 5 (2006), no. 1, 55–69.
- [11] Abdallah, Ahmed Y., Global attractor for the lattice dynamical system of a nonlinear Boussinesq equation, *Abstr. Appl. Anal.* 2005, no. 6, 655–671.
- [12] Abdallah, Ahmed Y., Upper semicontinuity of the attractor for lattice dynamical systems of partly dissipative reaction-diffusion systems, *J. Appl. Math.* 2005, no. 3, 273–288.
- [13] Abdallah, Ahmed Y., Upper semicontinuity of the attractor for a second order lattice dynamical system, *Discrete Contin. Dyn. Syst. Ser. B* 5 (2005), no. 4, 899–916.

Published Papers in the field of **Rational and Distributional Solutions of ODEs.**

Note: Full name is “Ahmed Yousef Farah Abdallah.”

[1] Alawneh A. D. and Farah A. Y., On a class of linear ordinary differential equations having $\sum_{k=0}^{\infty} x_k \delta^{(k)}(t)$ and $\sum_{k=0}^m x_k \delta^{(k)}(t)$ as solutions, *Inernat. J. Math. & Math. Sci.* **19** (1996), 555-562.

[2] Alawneh A. D. and Farah A. Y., Rational and finite distributional solutions of linear ordinary differential equations, *Dirastat, Natural and Engineering Sciences* **23** (1996), 77-84.

[3] Alawneh A. D. and Farah A. Y., A general method for introducing a class of linear ordinary differential equations with $\sum_{k=0}^{\infty} x_k \delta^{(k)}(t)$ and $\sum_{k=0}^m x_k \delta^{(k)}(t)$ as solutions, *Mu'tah Journal for Research and Studies* **11** (1996), 57-70.

TEACHING EXPERIENCE

10/2008-Now, **Associate Professor**, University of Jordan, Jordan.

09/2010-09/2013, **Associate Professor**, University of Ha'il, Saudi Arabia.
(On leave from the University of Jordan)

09/2003-10/2008, **Assistant Professor**, University of Jordan, Jordan.

Courses:

981 Special Topics in Applied Mathematics (Dynamical Systems-Graduate Course),

901 Methods in Applied Mathematics (Graduate Course),

721 Ordinary Differential Equations (Graduate Course),

221 and 421 (Ordinary Differential Equations I and II),

321 and 322 (Partial Differential Equations I and II),

101, 102 and 201 (Calculus I, II and III),

202 and 203 (Engineering Mathematics I and II),

131 Principles of Statistics.

001 and 002 College Algebra and Trigonometry.

01/2001-07/2003, **Teaching Assistant**, University of South Florida, USA.

Courses: Calculus I and II, Business Calculus, and College Algebra.

09/1997-01/2001, **Lecturer Assistant**, Al-Balqa' Applied University, Salt, Jordan.

Courses: Calculus I, II, and III, Elementary Differential Equations, Discrete Mathematics, Statistics, and Linear Algebra.

09/1996-08/1997, **Mathematics Teacher**, Jubilee School, Jordan.

Level: 11th grade.

03/1993-09/1996, **Mathematics Teacher**, Ministry of Education, Jordan.

Levels: 5th, 6th, 11th, and 12th grades.

OTHER ACTIVITIES:

The following classes have been attended:

Teaching Methods Course for university students.

Place: University of Jordan.

Time: 10/2003-02/2004 for 50 hours.

Teaching Methods Course for university students.

Place: University of South Florida.

Time: 08/2002-01/2003 for 50 hours.

Teaching Methods Course for school students.

Place: Ministry of Education, Jordan.

Time: 09/1994-05/1995 for 64 hours.