

JOHN ALEXOPOULOS

CURRICULUM VITA

August 10, 2005

Department of Mathematics
Kent State University–Stark Campus
6000 Frank Ave. NW, Canton, OH 44720

1. PERSONAL INFORMATION

Date of Birth: March 27, 1963

Date of Hire in current institution: August 20, 1994

Current Rank: Associate Professor of Mathematics, Kent State University - Stark Campus

2. EDUCATION

1982 - 1985: BS (Summa Cum Laude) Mathematics and Comp. Sci., Clarion University of PA

1985 - 1987: MA Mathematics, Kent State University

1988 - 1992: Ph.D. Functional Analysis, Kent State University

Dissertation:: Weakly Compact Sets in Banach Spaces

Director:: J. Diestel

1998 - 1999: Graduate course work in Computer Science, Kent State University

3. PROFESSIONAL EXPERIENCE

3.1. Term Appointments.

1985 - 1987: Teaching Assistant, Department of Mathematics and Comp. Sci., Kent State University.

1987 - 1988: Mathematics Instructor, Department of Mathematics, Flagler College.

1988 - 1991: Teaching Fellow, Department of Mathematics and Comp. Sci., Kent State University.

1991 - 1992: University Fellow, Department of Mathematics and Comp. Sci., Kent State University.

1992 - 1994: Mathematics Instructor, Department of Mathematics, Illinois Mathematics and Science Academy.

1994 - 2001: Assistant Professor, Department of Mathematics, Kent State University - Stark Campus.

2002 - 2003: Visiting Professor, Department of Mathematics, National Technical University, Athens, Greece

2001 - present: Associate Professor, Department of Mathematics, Kent State University - Stark Campus.

3.2. Summer Appointments.

1995: Summer III, Kent State University - Stark Campus.

1996: Summer III, Kent State University - Stark Campus.

1997: Summer III, Kent State University - Stark Campus.

1998: Summer III, Kent State University - Stark Campus.

1999: Summer III, Kent State University - Stark Campus.

2000: Summer III, Kent State University - Stark Campus.

2002: Summer III, Kent State University - Stark Campus.

2004: Summer III, Kent State University - Stark Campus.

3.3. Courses taught.

- (1) **At KSU:** College Algebra, Algebra and Trigonometry, Intuitive Calculus, Trigonometry, Calculus I
- (2) **At Flagler College:** Contemporary Mathematics, Calculus II, III, IV, Discrete Structures, Intro to Topology, Seminar in Group Theory, Seminar in Analysis
- (3) **At IMSA:** Mathematical Investigations, Precalculus, Calculus I, II, III, IV, Abstract Algebra I & II
- (4) **At KSU - Stark:** University Orientation, Intro to Computer Science, Developmental Mathematics, Intro to College Math, College Algebra, Basic Mathematical Concepts II, Algebra & Trigonometry, Intuitive Calculus, Trigonometry, Calculus I, II & III, Linear Algebra, Discrete Mathematics, Topology, Probability Theory.
- (5) **At National Technical University in Athens:** Topics in Analysis I & II, Measure and Integral

4. RESEARCH RELATED ACTIVITIES

4.1. **Primary Research Interests.** My research interests include Functional Analysis, Measure and Integration Theory. In particular Orlicz Spaces, Banach Function Spaces and Banach Lattices.

4.2. Awards Received.

- 1991:** Graduate Student Senate Research Award, K.S.U.
- 1992:** David B. Smith Fellowship Research Award, K.S.U.
- 1992:** Graduate Student Senate Research Award, K.S.U.
- 1992:** Graduate Student Senate Dissertation Award, K.S.U.
- 1992:** Ohio House of Representatives, Recognition Award.

4.3. Conferences and Workshops Attended.

- 1990:** Analysis Workshop at Universidad de Los Andes in Venezuela
- 1992:** AMS/MAA National Conference in Baltimore
- 1993:** AMS/MAA National Conference in Cincinnati
- 1996:** International Congress of Non-Linear Analysis in Athens, Greece
- 1996:** MAA Regional Conference in Granville Ohio
- 1996:** International Conference in Banach Space Theory in Kent, Ohio
- 1998:** MAA Regional Conference in Cleveland, Ohio
- 1998:** Third Conference on Function Spaces in Edwardsville, Illinois
- 1999:** RECAM 99 at K.S.U.-Stark Campus, in Canton, Ohio
- 1999:** 12th International Conference on Technology in Collegiate Mathematics in San Francisco, California
- 2000:** 3rd International Conference on Abstract Analysis in Africa, in Kruger Park, South Africa
- 2001:** 14th Annual International Conference on Technology in Collegiate Mathematics in Baltimore, MD
- 2002:** RECAM 02 at K.S.U.-Stark Campus, in Canton, Ohio

4.4. Invitations.

- 1990:** Lehigh University, Pennsylvania
- 1992:** National Technical University, Athens, Greece
- 1993:** Universidad de Sevilla, Spain
- 1993:** National Technical University, Athens, Greece
- 1997:** Universidad de Sevilla, Spain
- 1997:** National Technical University, Athens, Greece
- 1998:** John Carroll University, Cleveland, Ohio
- 1998:** Southern Illinois University at Edwardsville, Illinois
- 1998:** National Technical University, Athens, Greece
- 1999:** K.S.U.-Stark Campus, RECAM 99
- 1999:** National Technical University, Athens, Greece
- 1999:** 12th International Conference on Technology in Collegiate Mathematics in San Francisco, California

- 2000:** 3rd International Conference on Abstract Analysis in Africa, in Kruger Park, South Africa
2001: Universidad Central, Caracas, Venezuela
2001: Universidad de Los Andes, Merida, Venezuela
2001: 14th Annual International Conference on Technology in in Collegiate Mathematics in Baltimore, MD
2002: K.S.U.-Stark Campus, RECAM 02
2002: Universidad Central, Caracas, Venezuela
2002: Universidad de Los Andes, Merida, Venezuela
2002: National Technical University, Athens, Greece
2003: National Technical University, Athens, Greece
2004: Universidad Central, Caracas, Venezuela
2004: Universidad de Los Andes, Merida, Venezuela
2005: Universidad de Los Andes, Merida, Venezuela

4.5. Manuscripts Refereed for.

- : Journal of Mathematical Analysis and Applications
- : AURCO Mathematics Journal
- : Quaestiones Mathematicae

4.6. Grants.

- 2001:** \$3000 jointly from Universidad Central, Caracas, Venezuela and Universidad de Los Andes, Merida, Venezuela
2002: \$3500 jointly from Universidad Central, Caracas, Venezuela, Universidad de Los Andes, Merida, Venezuela
2005: \$1000 from Universidad de Los Andes, Merida, Venezuela

4.7. Publications.

- (1) *De La Vallée Poussin's Theorem and Weakly Compact Sets in Orlicz Spaces.* Quaestiones Mathematicae 17 (1994), 231–248.
- (2) *On Subspaces of non-Reflexive Orlicz Spaces.* Quaestiones Mathematicae 21 (3&4) (1998), 161–175.
- (3) *Implicit Differentiation on the TI-92+ calculator as an illustration of some powerful programming features.* ICTCM 99 Conference Proceedings archives.math.utk.edu/ICTCM/.
- (4) *On the Convergence in Mean of Martingale Difference Sequences.* (Joint work with P. Abraham and S. J. Dilworth). Quaestiones Mathematicae 23 (2000), 193–201.
- (5) *An Alternative Treatment of Transcendental Functions in Calculus.* (Joint work with C. Barb) AURCO Mathematics Journal 1 (2000), 52-64.
- (6) *Discovering Integrals with Geometry.* (Joint work with C. Barb). PRIMUS XI, 1 (2001), 79-88.
- (7) *Implementing Linear Algebra Related Algorithms on the TI-92+ Calculator.* (Joint work with P. Abraham). The International Journal of Computer Algebra in Mathematics Education 8, No 3 (2001).
- (8) *Some Criteria for determining when a Walsh Series is a Walsh-Fourier Series.* (Joint work with E. Sprague). Quaestiones Mathematicae 26 (2003).
- (9) *Some Banach Space characterizations of the Δ_2 condition.* (Joint work with D. Bárcenas and V. Echandía). Quaestiones Mathematicae 27 no.1 (2004).

4.8. Citations.

- (1) Alexopoulos J., Bárcenas D. and Echandía V., *Some Banach Space characterizations of the Δ_2 condition*, submitted for publication to Quaestiones Mathematicae.
- (2) Alexopoulos J. and Sprague E., *Some Criteria for determining when a Walsh Series is a Walsh-Fourier Series*, Quaestiones Mathematicae 26 (2003).
- (3) Bárcenas D. and Echandía V., *On non-Reflexive Subspaces of Orlicz Spaces*, Quaestiones Mathematicae 25 (2002), 13-18.
- (4) Abraham P., Alexopoulos J. and Dilworth S. J., *On the Convergence in Mean of Martingale Difference Sequences*, Quaestiones Mathematicae 23 (2000), 193-201.

- (5) Castaing C. and de Fitte PR, *G-uniform scalar integrability and strong laws of large numbers for Pettis integrable functions with values in a separable locally convex space*, Journal of Theoretical Probability 13 (1) (2000), 93-134.
- (6) Alexopoulos J., *On Subspaces of non-Reflexive Orlicz Spaces*, Quaestiones Mathematicae 21 (3&4) (1998), 161 - 175.
- (7) Bárcenas D. and Diestel J., *Constrained controllability in non-reflexive Banach spaces*, Quaestiones Mathematicae 18 (1995), 185-198.
- (8) Hudzik H. and Maligranda L., *Some remarks on submultiplicative Orlicz functions*, Indag. Math. (N.S.) 3 (1992), 313-321.
- (9) Diestel J., *Uniform integrability: an introduction*, Rend. Inst. Mat. Univ. Trieste 23 (1991), 41-80.

4.9. **Future projects.** Investigating $L_1(\mu)$ types of theorems in non-reflexive Orlicz Spaces, as well as results relating to Martingale Difference Sequences, Harmonic Analysis and Walsh series.

5. UNIVERSITY SERVICE

- 1995 - 1996:** Colloquium Committee, KSU - Stark
- 1995 - 1996:** Mathematics Search Committee, KSU - Stark
- 1996 - 1997:** Scholarship Committee, KSU - Stark
- 1996 - 1997:** Participated in the organization of Conference in Banach Space Theory at KSU
- 1996 - 1997:** Tenure, Promotion and Reappointment guidelines Committee, KSU - Main
- 1996 - 1997:** Textbook Selection Committee for Trigonometry, KSU - Main
- 1996 - 1997:** Textbook Selection Committee for Algebra and Trigonometry, KSU - Main
- 1997 - 1998:** Independent study advisor
- 1997 - 1998:** Tenure, Promotion and Reappointment guidelines Committee, KSU - Main
- 1997 - 1998:** Student Activities Budget Committee, KSU - Stark
- 1997 - 1998:** Organizing Committee for a Regional Mathematics Conference at KSU - Stark
- 1998 - 1999:** Honors project advisor
- 1998 - 1999:** Student Activities Budget Committee, KSU - Stark
- 1998 - 1999:** Organizing Committee for a Regional Mathematics Conference at KSU - Stark
- 1998 - 2000:** University hearing officer
- 1999 - 2000:** Administrative Sciences Search Committee, KSU - Stark
- 1999 - 2000:** Textbook Selection Committee for Trigonometry, KSU - Main
- 1999 - 2000:** Precalculus Curriculum Committee, KSU - Main
- 2000 - 2001:** Elected AAUP representative for KSU - Stark
- 2001 - 2002:** Elected member of the Faculty Council at KSU - Stark
- 2004 - 2005:** Elected member of the Faculty Council at KSU Mathematics Department
- 2004 - 2005:** Search committee for NTT position in CS

6. MISCELLANEOUS

- Submitted solutions to various problems in the American Mathematical Monthly (published solution to problem 6611, May 1991, Vol. 98, P.450).
- Inclusion in the fifth edition of *Who's Who Among America's Teachers 1998*.
- Inclusion in the seventh edition of *Who's Who Among America's Teachers 2000*