

Jan N. Deters

Contact Information	287 Storer Avenue Akron, OH 44313	<i>Cell:</i> 330-485-6875 <i>E-Mail:</i> iandeters@iandeters.com <i>Webpage:</i> www.iandeters.com
Education	Bowling Green State University , Bowling Green, Ohio. Ph.D, Mathematics, August 2009. Dissertation Title: On The Cyclicity And Synthesis Of Diagonal Operators On The Space Of Functions Analytic On A Disk. Adviser: Dr. Steven M. Seubert. The University Of Akron , Akron, Ohio. Master of Science, Mathematics, May 2005. Thesis Title: Classifying Doubly Invariant Subspaces. Adviser: Dr. Jeffrey M. Riedl. Malone College , Canton, Ohio. Bachelor of Arts., Mathematics, Summa Cum Laude, May 2003. Minor: Computer Science.	
Teaching Experience	University Of Findlay (Fall 2009). Courses: Abstract Algebra, Calculus I, Elementary Statistics. Bowling Green State University (Fall 2005 - Summer 2008). Courses: Calculus I, Basic Calculus, Introduction To Statistics. The University Of Akron (Fall 2003 - Spring 2005). Courses: College Algebra, Math for Elementary School Teachers I, Excursions in Mathematics, Intermediate Algebra.	
Professional Development	Passed actuarial exams 4/C, 3L/MLC, 3F/MFE, 2/FM, 1/P. Advanced Mathematical Thought, Math 682, Summer 2006, BGSU. Curriculum Analysis and Classroom Behaviors, Math 591, Fall 2005, BGSU. Overview of Collegiate Mathematics Teaching, Math 590, Summer 2005, BGSU.	
Private Sector Experience	Actuarial Analyst, Farmers Insurance Group, March 2015 - Present: I participate in the calculation of overall rate indications, base rate offsets, needed base rate changes, the validation of data, and testing of implemented rates. Senior Product Management Analyst, Farmers Insurance Group, December 2012 - March 2015: I researched and built generalized linear and neural network models to aid in the setting of rate relativities and addressing operational and marketing challenges. Programmer I, National Interstate Insurance Company, December 2011 - November 2012: I found and resolved various database problems and assisted in expanding the business intelligence database and data cube. Labor Scheduling Analyst, Sterling Jewelers, July 2010 - April 2011: By analyzing data I forecasted sales and labor demands and allocated resources so as to achieve optimal field results for over 1100 stores. I also performed statistical analyses to support managerial and administrative decisions.	

Publications

Constructing polynomials of minimal growth. *Journal of Contemporary Mathematical Analysis* **49** (2014) 117-125.

An application of entire function theory to the synthesis of diagonal operators on the space of entire functions. *Houston Journal Of Mathematics* **38** (2012) 201 - 207.

A connection between operator topologies, polynomial interpolation, and synthesis of diagonal operators. *Journal Of Mathematical Analysis And Applications* **350** (2009) 354-359.

Cyclic vectors of diagonal operators on the space of functions analytic on a disk, with Steven M. Seubert. *Journal Of Mathematical Analysis And Applications* **334** (2007) 1209-1219.

Presentations

A Brief Introduction To Invariant Subspaces, Malone University Sigma Zeta Inaguration Banquet, April 2009.

Convergence in $H(B(0, R))$ and Some Useful Homeomorphisms, BGSU Analysis Seminar, September 2008.

A Connection Between Spectral Synthesis, Operator Topologies, Polynomial Interpolation, and Linear Independence of Exponential Series. Wabash Extramural Modern Analysis Miniconference in Indianapolis, Indiana. September 6th, 2008.

Cyclicity and Synthesis of Diagonal Operators on the Space of Functions Analytic on a Disk of Finite Radius, BGSU Analysis Seminar, April 2008.

Activities

Member of Sigma Zeta, the American Mathematical Society, and the Mathematical Association of America. Active member of Akron Christian Reformed Church. Metal DJ at WBGU 88.1 from December 2008 - April 2010. Metal Director of WBGU 88.1 FM from August 2009 - April 2010. Interests include Biblical study, rock and roll, and dancing.

References

Alexander Izzo
Department of Mathematics
and Statistics
Bowling Green State University
450 Mathematical Sciences Building
Bowling Green, OH 43403
419-372-2073
aizzo@bgsu.edu

Jeffrey Riedl
Department of Theoretical
and Applied Mathematics
The University Of Akron
302 Buchtel Commons
Akron, OH 44325
330-972-8019
riedl@uakron.edu

Steven Seubert
Department Of Mathematics
and Statistics
Bowling Green State University
450 Mathematics Sciences Building
Bowling Green, OH 43403
419-372-2179
sseuber@bgsu.edu

Craig Zirbel
Department Of Mathematics
and Statistics
Bowling Green State University
450 Mathematics Sciences Building
Bowling Green, OH 43403
419-372-7466
zirbel@bgsu.edu