Timothy Clos

Curriculum Vitae

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Education

2017 **Ph.D.**, *The University of Toledo*, Toledo, Ohio, .
Mathematics. Advisor: Sönmez Şahutoğlu

2012 **M.S.**, *Cleveland State University*, Cleveland, Ohio, .
Mathematics.

2010 **B.A.**, *Cleveland State University* , Cleveland, Ohio, .
Mathematics.

Employment

2017- **Visiting Assistant Professor, Mathematics**, *The University of Toledo*, Toledo, Ohio.

2012–2017 **Graduate Assistant, Mathematics**, *The University of Toledo*, Toledo, Ohio.

2010–2012 **Graduate Assistant, Mathematics**, *Cleveland State University*, Cleveland, Ohio.

2008–2010 **Tutor and Supplemental Instruction Leader, Mathematics and Physics**, *Cleveland State University*, Cleveland, Ohio.

Teaching Experience

1. Instructor of record for multivariable calculus, calculus I, calculus I for the life sciences, and college algebra sections.
2. Recitation instructor for calculus II and liberal arts mathematics.
3. Tutored mathematics and physics at the undergraduate level.

Research Interests

1. Several Complex Variables: How the boundary geometry of a domain affects the compactness of operators on the Bergman space of convex and pseudoconvex Reinhardt domains.
2. Operator Theory: Characterizing compactness of Hankel operators on the Bergman space of convex and pseudoconvex Reinhardt domains in terms of the behaviour of the symbol along the boundary.
3. Applying the techniques of several complex variables to solve problems in operator theory.

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Publications and Preprints

1. [In Progress] *Compactness of Hankel operators with continuous symbols on pseudoconvex complete Reinhardt domains in* $\mathbb{C}^2$.

2. (with Sönmez Şahutoğlu) *Compactness of Hankel operators with continuous symbols*,*Complex Anal. Oper. Theory*, (2018), no.2, pp.365-376.

3. *Compactness of Hankel Operators with conjugate holomorphic symbols on complete Reinhardt domains in* $\mathbb{C}^2$, *New York J. of Math.*, (2017), no.23, pp.1265-1272.

4. *Compactness of Hankel Operators with Continuous Symbols on Domains in* $\mathbb{C}^2$, Ph.D. thesis, 2017.

Relevant Competencies

1. U.S. citizen.
2. Experience with LaTeX, Blackboard Collaborate, Microsoft Word, Microsoft Excel, the ALEKS homework system, and the MyMathLab homework system.
3. Experience teaching online courses. I have taught college algebra as a distance learning course for several semesters. I have also tutored statistics.

Presentations

1. April 2017, *Compactness of Hankel Operators with Continuous Symbols*, Informal Analysis Seminar (The University of Michigan, Dearborn MI).

2. September 2016, *Compactness of Hankel Operators with Continuous Symbols, Part IV*, Complex Analysis Seminar (The University of Toledo, Toledo OH).

3. September 2016, *Compactness of Hankel Operators with Continuous Symbols, Part III*, Complex Analysis Seminar (The University of Toledo, Toledo OH).

4. September 2016, *Compactness of Hankel Operators with Continuous Symbols, Part II*, Complex Analysis Seminar (The University of Toledo, Toledo OH).

5. September 2016, *Compactness of Hankel Operators with Continuous Symbols, Part I*, Complex Analysis Seminar (The University of Toledo, Toledo OH).

6. September 2015, *Compactness of Hankel Operators on the Bergman Spaces of Convex Reinhardt Domains, Part II*, Complex Analysis Seminar (The University of Toledo, Toledo OH).

7. September 2015, *Compactness of Hankel Operators on the Bergman Spaces of Convex Reinhardt Domains, Part I*, Complex Analysis Seminar (The University of Toledo, Toledo OH).

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