

**MILA MOGILEVSKY**  
Department of Mathematics  
TAMU, College Station, TX 77843-3368  
e-mail: mogilevs@math.tamu.edu

## 1 Field

Mathematics, Applied Mathematics, Math Education

- Computerized Tomography
- Functional Analysis
- K-12 Education

## 2 Education

1977 **PhD** in Mathematics, Rostov State University, Rostov-on-Don, USSR  
1971 **MS** in Mathematics with Honors, Voronezh State University, Voronezh, USSR

## 3 Experience

2015-present Instructional Assistant Professor, Dept. of Mathematics, TAMU (half time)  
2013-present Instructional Assistant professor, Dept. of Mathematics, TAMU (1/3 position)  
2001-2013 Senior lecturer, Department of Mathematics, TAMU  
(since 2009 working on 1/3 position)  
1996-2001 Director of Kansas Outreach School in Math /Math Educator,  
Department of Mathematics and Statistics,Wichita State University  
1991-1995 Instructor, Department of Mathematics and Statistics,Wichita State University  
1990 Lecturer, Department of Mathematics and Statistics,Wichita State University  
1976-1989 Assistant Professor, Voronezh Air Force Institute, Voronezh, USSR  
1975-1976 Lecturer, Voronezh Polytechnical Institute, Voronezh, USSR  
1970 Part time teacher at a specialized Math High School, Voronezh, USSR

## 4 Courses Taught

Math 200, Horizons in Mathematics (2017)

Math 289, Horizons in Mathematics (2014, 2015, 2016).

Also taught, till 2009: Calculus 1-2-3 (Math 151, Math 152, Math 152 honors, Math 172, Math 251), Ordinary Differential Equations (Math 308), courses for prospective elementary and middle school teachers (Math 365, Math 366, Math 368)

Taught elsewhere: College Algebra, Trigonometry, PreCalculus, Business Calculus, Calculus 1-2-3, Ordinary Differential Equations, Linear Algebra, Probability and Statistics, Equations of Mathematical Physics, Complex Analysis, Computer Languages (FORTRAN, BASIC, C).

Several courses taught using technology (Maple, graphing calculators).

## 5 Awards

- Department of Mathematics service award, TAMU (2006).
- Mortar Board Chapter Educator Appreciation Award, WSU (1994)
- Nominated for Board of Trustees Excellence in Teaching Award, WSU (1997, 1998, 1999, 2000)

## 6 Research and Educational Grants

1. Eisenhower Professional Development Program. Project title: Stampede (Science, Technology and Mathematics: Propelling Educational Directives toward Excellence), Faculty Associate. Award amount: \$79,000. Award Period: January 1998-January 2000.
2. National Science Foundation (Applied Mathematics ) EPSCOR Grant (CO-PI). Project title: "Some problems of integral geometry with medical and industrial applications" Award amount: \$199,791. Award period: October 1992 - Sept. 1995
3. NSF EPSCOR Grant (Educational). CO-PI. Project title: "Kansas Outreach School in Mathematics". Award amount: \$69,900. Award period: October 1995 - October 1996.

## 7 Service

- Undergraduate Advisor, TAMU. Since 2005 (Meeting with current and prospective students, corresponding with students and advisors from TAMU and other institutions, attending math majors meetings, attending advisors meetings, etc. Reviewing transfer applicants.)
- Member of the Faculty Distance Learning Review Committee (reviewing lessons plans, etc.) Outreach activity for minorities in rural settings, PI-Larry Johnson, professor of veterinary sciences, TAMU. Since November 2005 till 2010.
- Member of the Undergraduate Studies Committee, Math Department, TAMU. Since 2007.
- Member of the Scholarship committee, Math Department, TAMU. Since 2007.
- Member of the Math Awareness Month Committee, Math Department, TAMU, 2004-2008.
- One of the organizers of Math Awareness Fair for school students, Math Department, TAMU, 2004-2008.
- Member of Talent Search Committee, Math Department, TAMU. 2005 - 2007
- Member of High School Math Contest Committee, responsible for writing exams, checking other exams, etc. 2003-2011. Helped this Committee in 2016, 2017.
- High School Math Contest, grader, Math Department, TAMU. 2002-2007, 2009, 2011.
- Taught in the Summer Math Camp, *SEE MATH*, Math Department, TAMU. 2002-2008, 2010, 2011, 2013, 2015, 2016
- Conducted interviews and selected people in the hiring helpers process for Engineering Calculus I, II and III, Math Department, TAMU, 2004 - 2009.
- Member of a senior lecturers committee evaluating lecturers, Math Department, TAMU. 2006-2007

- Chair of the Committee L, Math Department, TAMU. Summer 2007-October 2007.
- Member of the Committee L, Math Department, TAMU, 2010-2011.
- As one of the Math Department advisors/representatives, met with high school students and their parents during Aggieland Saturday (TAMU Open House), 2005-2007, 2009, 2011, 2013-2017.
- Helped advising during summer freshmen and transfer conferences, Math Department, TAMU. Since 2005.
- Member of the Departmental Committee on the Kansas Outreach School in Mathematics (KOSM), Wichita State University (WSU), 1994-2001.
- Undergraduate advisor, Math Department, WSU, (1998- 2001).
- Member of the Departmental Math Awareness Committee, WSU, 1998, 1999, 2000
- Member of the Hiring Instructors Committee, WSU, 1998-2001
- Chair of the Windows Display Committee, WSU, (1998- 2001)
- Member of the Collaborative for Project STAMPEDE, WSU, 1997-1999
- Fairmount Center for Math and Science, Faculty Associate, WSU (1996-2001)
- Supervisor of mentors and of the day-to-day operation of Kansas Outreach School in Mathematics (since October 1994 till May 2001).
- Presentations at Wichita Middle and High schools and Pi Mu Epsilon meetings (1994-2001).
- Presentation "Kansas Outreach School in Mathematics" at the Meeting of the Kansas Section of MAA, March 1995, Wichita, KS
- Presentation "What is Kansas Outreach School in Mathematics", SMARTT, Kansas Conference of Math and Science Teachers, 1996.
- Tutor (volunteer) at the Departmental Math Lab, WSU (1995-2001).

## 8 Computer Skills

Latex, Maple, C++, FORTRAN, BASIC, Windows, Excell, Scientific Work-Place

## 9 Professional Membership

PiMuEpsilon

## 10 Lecture notes for university and high school students

1. Right Triangle Trigonometry, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1998.
2. Exponents and Exponential Functions, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1997, 48pp.
3. (with Phil Parker) Logarithms and Logarithmic Functions, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1997, 62pp.
4. Logarithmic Equations and Inequalities, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1997, 13pp.
5. (with M. Alagic and K. Starke) Equations #1, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1995, 77pp.
6. (with P. Kuchment and K. Starke) Inequalities #1, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1995
7. (with P. Kuchment and K. Swartzendruber) Functions and graphs. Graphs of Linear, Quadratic, and Power Functions, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1995.
8. (with P. Kuchment) Coordinates, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1995.
9. (with P. Kuchment) Elements of Algebra, #2, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1994, 65 pp.

10. (with P. Kuchment, K. Lancaster, and P. Parker) Elements of Algebra, #1, Booklet for the Kansas Outreach School in Mathematics, WSU, Wichita, 1994, 79 pp.
11. (with M. Grabovskaya and others) BASIC programming and codes for lessons in mathematics, Voronezh Forestry Institute, parts 1-2, 1987-1989, 65 pp. (in Russian).
12. Calculus in One Variable, Voronezh, USSR, 1987, 179 pp. (In Russian)
13. Analytic Geometry, Voronezh, USSR, 1987, 135 pp. (In Russian)
14. Problem Book in Calculus, Voronezh, USSR, 1985, 115 pp. (In Russian)
15. BASIC Computer Programming, Voronezh, USSR, 1982, 30 pp. (In Russian)

## 11 Research Publications

1. (with K. Lancaster et al) Numerical Harmonic Analysis on the Hyperbolic Plane, *Applicable Analysis*, 2000, Vol 76 (3-4), pp. 351-362.
2. (with K. Lancaster et al) On local tomography, *Inverse Problems*, 11 (1995), 571-589.
3. On one problem of integral geometry, in: *Collection of Papers in Mathematics and Mechanics*, Voronezh Air Force Institute, 1988, v. 2. (in Russian)
4. On some conditions of analyticity of solutions of differential equations in a Banach space, in: *Collection of Papers in Mathematics and Mechanics*, Voronezh Air Force Institute, 1984. (in Russian)
5. Cauchy-Kovalevskaya theorem for equations in Banach spaces, in: *Operator Theory in Function Spaces*, Voronezh State Univ. Publ., Voronezh, 1983. (in Russian)
6. Functions of elements of semi-algebras, in: *Some Problems of Mathematics and its Applications*, Voronezh Air Force Institute, 1983. (in Russian)

7. (with Z. Bashkireva) An application of a probability-statistical method to the forecast of low cloudiness, in: Collection of papers of Voronezh Air Force Institute, 1980. (in Russian)
8. (with P. Kuchment) Positivity and analyticity of solutions of differential equations, Proceedings of All-Union Conf. on Diff. Equat., Moscow, 1976, p. 355-356 (in Russian).
9. On analyticity of solutions of differential equations in Banach spaces, Dokl. Akad. Nauk SSSR, v.228(1976), no.1.(English translation in Soviet Math. Dokl.)
10. (with P. Kuchment) Some remarks about linear differential equations in a Banach space with a cone, Proceedings of the Voronezh Winter Math. School, Voronezh State Univ. Publ., 1974, p.74-75 (in Russian).
11. On some properties of semi-algebras of operators, in: Collection of papers of graduate students on the function theory and functional analysis, Voronezh State Univ. Publ., 1974, p.23-30. (in Russian).
12. Positivity and analyticity of solutions of differential equations, Funct. Anal. and Appl., v.2, Voronezh State Univ. Publ., 1974, p.23-32. (in Russian).
13. (with V. Zhbannikova) On one problem about the deviation of cone's elements, in: Trans. Math. Inst. Voronezh State Univ., 1973, v.11.(in Russian).

## 12 Citizenship

Citizen of the USA.