

Curriculum Vitae

ANATOLE KATOK

Born: August 9, 1944 Washington, D.C.

Married, 3 children

EDUCATION

Moscow State University, M.A., 1965

Moscow State University, Ph.D., 1968

ACADEMIC POSITIONS

1996- Raymond N. Shibley Professor, The Pennsylvania State University.

1990- Professor, The Pennsylvania State University.

1984-90 Professor, California Institute of Technology.

1978-84 Professor, University of Maryland, Chair in Analysis.

1973-78 Senior Scientific Research Worker, Central Economics- Mathematics Institute (USSR Academy of Science).

1968-73 Jr Scientific Research Worker, Central Economics- Mathematics Institute (USSR Academy of Science).

SELECTED VISITING APPOINTMENTS (from one month to one year)

2006, 2007 Nicolas Copernicus University, Torun

2005 University of Paris VII

2003 Invitation Fellowship from the Japan Society for the Promotion of Science

2002 University of Paris -XIII

2002 ETH Zurich

2001, 2002, 2003 Independent University of Moscow

2000 Cambridge University

1999 Tsin Hua University, Taiwan

1997 ETH, Zurich

1997 University of Rome II

1996-97 Erwin Schroedinger institute for Mathematical Physics, Vienna

1996 National University of Uruguay

1996 Tata Unstitute for Fundamental Research, Bombay, India

1995 Stefan Banach Center, Polish Academy of Sciences, Warsaw

1994 Mathematics Research Center, University of Warwick

1993 University of Paris VI

1993 Université de Grenoble I

1992 Mathematical Sciences Research Institute, Berkeley

1991 IHES, Bures-sur-Yvette.

1989 ETH, Zurich

1988 Federal University, Mexico City

1987 SFB “Geometrie und Analysis,” Gottingen
1986 Federal University, Mexico City
1986 SFB “Geometrie und Analysis,” Gottingen
1983-84 Mathematical Sciences Research Institute, Berkeley
1982 IHES, Bures-sur-Yvette
1982 Hebrew University, Jerusalem
1981 IMPA, Rio de Janeiro, Brazil
1980 Hebrew University, Jerusalem
1979 IMPA, Rio de Janeiro, Brazil
1979 Stanford University
1978 IHES, Bures-sur-Yvette
1978 University of Rome.

MEMBERSHIP IN HONORARY SOCIETIES

American Academy of Arts and Sciences, elected 2004

SELECTED PROFESSIONAL ACTIVITIES

Director, Center for Dynamical Systems and Geometry, Department of Mathematics, The Pennsylvania State University.

Chairman, Scientific Advisory Board, MASS, Department of Mathematics, The Pennsylvania State University.

Journal of Modern Dynamics, founder and Editor-in-Chief, 2006–

Ergodic Theory and Dynamical Systems journal published by Cambridge University Press, Founding Editor 1981-1987, Editorial Board 1988-1993, Survey Editor 1994-, Editor 1997-

Editorial Board, *Mathematical Research Letters* journal, 1994–2004

Editorial Board, *Discrete and Continuous Dynamical Systems*, 1995–

Editorial Board, *Moscow Mathematical Journal*, 2000–

Editor of the book series “Cambridge Tracts in Mathematics” and “Cambridge Studies in Advanced Mathematics”, Cambridge University Press, 1999–

Organizer of Special Year in Ergodic Theory and Dynamical Systems at Maryland, 1979-80 and Editor of *Proceedings* published by Birkhauser in 2 volumes in *Progress in Mathematics* series.

Program Committee for Mathematical Sciences Research Institute in Berkeley (MSRI) for 1983-84.

NSF Advisory Committee in Mathematical Sciences, 1983-86.

Trustee, MSRI Berkeley, 1985 - 1991.

Chairman, Membership Committee, MSRI Berkeley, 1986-89.

Research Briefing Panel on Non-linear Science, National Research Council, 1987.

AMS Committee on Translations, 1988 - 1992.

MSRI Scientific Advisory Council, 1989 - 1993

International Science Foundation, Panel on Mathematics 1993-94

Institute for Mathematics and its Applications Board of Governors, 1993-96

Civilian Research and Development Foundation, Panel in Mathematics and Computer Science, 1996

Co-organizer of the Semi-annual Regional Workshop in Dynamical Systems and Related Topics, Penn State and Maryland, 1990 -

Organizer and co-organizer of a series of conferences and workshops known under the general name "Geometric Rigidity": 1984-2004

Program Committee and organizer of workshops for the semester in Dynamical Systems and Ergodic theory at S. Banach Mathematical Center in Warsaw, Poland, 1995.

Organizer, and Editor of two volumes of *AMS Proc. Symp. Pure Math*, AMS Summer Institute in Smooth Ergodic Theory, Seattle, 1999

Organizer, Semester in Ergodic theory, Geometric Rigidity and Number Theory, Newton Institute, Cambridge, Spring 2000

Oversight panel for IHES, Bures-sur-Yvette, 2001

Reviewing Committee, Centre de mathematiques de l'Ecole Polytechnique, Palaiseau, 2004

SELECTED INVITED TALKS

I. General Meetings

International Congress of Mathematicians, Moscow, 1966 (15-minute talk)

Plenary sessions of Moscow Mathematical Society, 1966, 1968, 1976, 1999

Plenary session of the London Mathematical Society, Birmingham, 1979

Session of American Mathematical Society, Birmingham, Alabama, 1979 (one-hour invited talk)

International Congress of Mathematicians in Warsaw, 1983

International Congress in Mathematical Physics, Boulder, Colorado, 1983

Interdisciplinary Conference on Randomness, Columbus, 1988

Plenary session of Swedish Mathematical Society, Uppsala, 1995

Symposium Mathematics in the Sciences, Leipzig, 1998

Spitalfields Day, Cambridge, 2000

Fundamental Mathematics Today, Moscow, 2001.

Kolmogorov and Contemporary Mathematics, Moscow, 2003

Plenary session of the Mathematical Society of Japan 2003

Modern Analysis and Moscow University, Hebrew University Jerusalem 2004

II Memorial and endowed Lecture series

Frank J. Hahn Lectures, Yale University, 1980

Rufus Bowen Memorial Lectures, Berkeley, 1982

Schlumberger Lectures, Rice University, 1982

Ramakant Muzumdar Commemorative Lectures, University of Bombay, 1996

III. Lecture Series

Leningrad State University, 1971
 Ninth Summer School, Ukrainian Academy of Sciences, 1971
 Voronej State University, 1973
 Voronej Winter School, 1976
 University of Rome, 1978
 Symposium on Diffeomorphisms and Foliations, University of Warwick, 1979
 Summer Workshop on Ergodic Theory, Stanford University, 1979
 IMPA, Rio de Janeiro, 1979
 Frank J. Hahn Lectures, Yale University, 1980
 Ecole d'Ete de Physique Theorique, Les Houches, France, 1981
 Rufus Bowen Memorial Lectures, Berkeley, 1982
 Sitges Conference on Statistical Mechanics, Sitges, Spain, 1982
 Seventh Latin American School in Mathematics, Caracas, Venezuela, 1984
 Semester in Dynamical Systems, Mexico City, Spring 1986
 Third Mathematical Summer Institute, Shanghai, China, June 1986
 Symposium on Smooth Ergodic Theory, University of Warwick, 1986
 Semester in Dynamical Systems, S. Banach Mathematical Center, Warsaw, 1986
 Special Year in Dynamical Systems, University of Maryland, 1987
 Federal University, Mexico City, 1988
 Workshop in Discrete Groups and Ergodic Theory, ICI Guacia, Palermo, 1990
 Summer Session of CIME, Montecatini, Italy, 1991
 MSRI Berkeley, 1992
 Universite de Grenoble I, 1993
 University of Warwick 1993, 1994
 Euroconferences in Mathematics on Crete 1994
 Semester in Dynamical Systems and Ergodic Theory, S.Banach Mathematical Center,
 Warsaw, 1995.
 Tata Institute for Fundamental Research, Bombay, 1996
 Erwin Schroedinger Institute, Vienna, 1997
 Max-Planck-Institute for Mathematics in Natural Sciences, Leipzig, 1997
 Tsin Hua University, Taiwan, 1999
 AMS Summer Institute in Smooth Ergodic Theory, Seattle, 1999
 Newton Institute, Cambridge, 2000
 DFG meeting on Ergodic theory, Analysis and Efficient Simulation of Dynamical
 Systems, Irsee, Germany, 2000
 Universita degli Studi di Cagliari, Italy, 2000
 Independent University of Moscow, 2001, 2002, 2003
 ETH Zurich, 2002
 University of Paris XIII 2002
 Cursos de Verano, El Escorial, Spain, 2003
 Hebrew University of Jerusalem, 2004
 Frontier lectures at Texas A & M, 2005
 First Summer school in Dynamical Systems, Shanghai, 2005
 Mathematical Institute Chinese Academy of Sciences, 2005

IV. Colloquium Talks at North American Universities

- 1978: Cornell University, University of Minnesota, University of California-Berkeley, Harvard University, Brown University
- 1979: Rice University, New York University
- 1980: University of North Carolina, University of Wisconsin, SUNY-Albany
- 1981: The Pennsylvania State University, New York University, Princeton University
- 1982: University of Washington, Stanford University, New York University, Johns Hopkins University
- 1983: California Institute of Technology, Wayne State University, University of Michigan, Michigan State University, Ohio State University, Princeton University, (Math. Physics), University of California-Berkeley
- 1984: University of Oregon, Stanford University, University of California-Los Angeles
- 1985: University of Minnesota, University of Arizona (Applied Math.), University of California-San Diego, University of Southern California
- 1987: Boston University, University of Maryland,
- 1988: University of Arizona, University of California-Santa Cruz, Northwestern University, University of California-Los Angeles
- 1989: Caltech (Physics Colloquium), University of Indiana, University of Maryland
- 1991: University of Pennsylvania, University of California-Berkeley,
- 1992: University of California-Los Angeles, University of Chicago, Ohio State University, University of Oregon, University of Michigan
- 1993: Yale University
- 1994: University of Chicago
- 1995: Washington University St Louis, University of Missouri
- 1998: MIT
- 1999: Georgia Institute of Technology, Carnegie Mellon University, Cornell University
- 2000: University of Maryland
- 2003: University of California-Berkeley, California Institute of Technology
- 2004: MSRI/Evans Lecture at Berkeley, Michigan State University, Tufts University
- 2005: Indiana University, MIT, University of Texas-Austin
- 2006: University of Toronto, Montreal city colloquium