

CURRICULUM VITA

AVNER FRIEDMAN

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Born: November 19, 1932
Birthplace: Israel; Citizenship: USA
Marital Status: Married, Four Children

RESEARCH INTERESTS

Partial differential equations, mathematical biology, stochastic differential equations, and control theory.

EDUCATION

M.Sc. (Major in Mathematics, minor in Physics), Hebrew University 1954
Ph.D. in Mathematics, Hebrew University 1956

WORK EXPERIENCE

Research Associate, University of Kansas 1956 - 1957
Lecturer, Indiana University 1957 - 1958
Visiting Assistant Professor, University of California, Berkeley 1958 - 1959
Associate Professor, University of Minnesota 1959 - 1961
Visiting Associate Professor Stanford University 1961 - 1962
Professor, Northwestern University 1962 - 1985
(Noyes Professor of Mathematics 1984--85)
Visiting Professor, Tel Aviv University 1966 - 1967
Visiting Professor, Tel Aviv University 1970 - 1971
Duncan Distinguished Professor of Mathematics, Purdue University 1985 - 1987
Director, Institute for Mathematics and its Applications and 1987 - 1997
Professor, School of Mathematics, University of Minnesota 1987 - 2001
(Regents Professor 1996 -- 2001)
Director, Minnesota Center for Industrial Mathematics (MCIM) 1994 - 2001
Distinguished Professor of Mathematical and Physical Science,
The Ohio State University 2001 - 2007
Director, Mathematical Biosciences Institute,
The Ohio State University 2002 - 2008
Distinguished University Professor 2007 -
The Ohio State University

RESEARCH SUPPORT

Research funds (mostly from NSF) have been awarded continuously since 1958 - 2010

NATIONAL BOARDS

Board of Mathematical Sciences	1990--1996
Chair of Board on Mathematical Sciences	1994--1997
Board of Trustees of SIAM	1990--1995
President of SIAM	1993--1995
NRC Commission on the Physical Sciences, Mathematics and Applications	1992--1994
President of Society of Mathematical Biology	2007--2009

SCIENTIFIC ADVISORY COMMITTEES

NIST	1989--1996
DIMACS (Chair of the Advisory Committee)	1989--1999
NISS	1991--1997
Fields Institute	1997--2000
Mathematics Across the Curriculum, Indiana University	1996--1999
Theoretical Physics Institute, University of Minnesota	1995--1999
Institute for Mathematical Sciences, Singapore	2001--

ACADEMIC HONORS/AWARDS/RECOGNITIONS

Sloan Fellowship	1962--1965
Guggenheim Fellowship	1966--1967
Recipient of Stampacchia Prize	1982
National Science Foundation Special Creativity Award	1983--85, 1991--93
American Academy of Arts and Sciences	1987--
National Academy of Sciences	1993--
Real Academia de Ciencias Exactas, Físicas y Naturales (Spain)	1998--
Honorary Professorship, Fudan University, Shanghai	2002

VISITING FELLOW

1. Oxford University, one month each summer	1982--1988
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EDITORIAL BOARD

Proceedings of the AMS,	1962--1965
Journal of Differential Equations	1969--
SIAM J. Control	1970--1986
Royal Society of Edinburgh Proc. Sec. A.	1974--1983
Mathematics Operations Research	1976--1982
Comm. in Partial Differential Equations	1976--1995
J. Nonlinear Analysis, Theor., Meth., Appl.	1976--83, 1991--
Stochastic Analysis & Applications	1983--
J. of Mathematical Anal. and its Appl.	1986--
European Journal of Applied Mathematics	1989--2004
Dynamics Systems and Applications	1991--
Surveys on Mathematics in Industry	1992--
Russian Journal of Mathematical Physics	1993--
Nonlinear Differential Equations and Applications	1994--
Communications on Applied Nonlinear Analysis	1994--

Discrete and Continuous Dynamic Systems	1995--1997
Journal of Inverse and Ill-Posed Problems	1998--
Chinese Annals of Mathematics	1998 -
Interfaces and Free Boundaries	1999-
Journal of Engineering Mathematics	2000--2001
Chinese Journal of Engineering Mathematics	2002--
Mathematical Biosciences and Engineering	2004 --
Differential Equations and Nonlinear Mechanics	2005 -
Ukrainian Mathematical Bulletin	2007--
Journal of Advanced Researches on Differential Equations	2009 --
Journal of Partial Differential Equations	2010 -
Journal of Royal Academy of Science (Madrid)	2010 -
Journal of Mathematics in Industry	2010 -
Archives of Control Science	2011 -
Tamkan Journal of Mathematics	2014-

SERVICES AS ADVISOR

Shin-Sheng Tai, Ph.D., Northwestern U., Evanston, IL	1967
Kuang-Ho Chen, Ph.D., Northwestern U., Evanston, IL	1970
Zeev Schuss, Ph.D., Northwestern U., Evanston, IL	1970
William Vesely, Ph.D., Northwestern U., Evanston, IL	1970
Ronald Jay Stern, Ph.D., Northwestern U., Evanston, IL	1972
Richard Carmen Scalzo, Ph.D., Northwestern U., Evanston, IL	1973
Leon Carl Stecher, Ph.D., Northwestern U., Evanston, IL	1973
Emmanuel Nicholas Barron, Ph.D., Northwestern U., Evanston, IL	1973
Robert Ronald Jensen, Ph.D., Northwestern U., Evanston, IL	1975
Pauline Marie Melanson Ippolito, Ph.D., Northwestern U., Evanston, IL	1976
Barry Franklin Knerr, Ph.D., Northwestern U., Evanston, IL	1976
Randal Stephen Beck, Ph.D., Northwestern U., Evanston, IL	1979
Daniel Yaniro, Ph.D., Northwestern U., Evanston, IL	1984
Sara Cohen, Ph.D., Northwestern U., Evanston, IL	1985
Srdjan Stojanovic, Ph.D., Northwestern U., Evanston, IL	1986
Hamid Bellout, Ph.D., Purdue U., West Lafayette, IN	1986
Arthur Guetter, Ph.D., Northwestern U., Evanston, IL	1987
Jong-Shenq Guo, Ph.D., University of Minnesota	1989
Bei Hu, Ph.D., University of Minnesota	1990
Xinfu Chen, Ph.D., University of Minnesota	1991
Fernando Reitich, Ph.D., University of Minnesota	1991
Wenxiong Liu, Ph.D., University of Minnesota	1992
Chaocheng Huang, Ph.D., University of Minnesota	1995
Yong Liu, Ph.D., University of Minnesota	1995
Jianhua Zhang, Ph.D., University of Minnesota	1995
Scott Shald, Ph.D. University of Minnesota	1999

BOOKS

1. Generalized Functions and Partial Differential Equations. Prentice-Hall (1963).

2. Partial Differential Equations of Parabolic Type. Prentice-Hall (1964).
3. Partial Differential Equations. Holt, Rinehart, and Winston, New York (1969).
4. Foundations of Modern Analysis. Holt, Rinehart, and Winston, New York (1970).
5. Advanced Calculus. Holt, Rinehart, and Winston, New York (1971).
6. Differential Games. John Wiley, Interscience Publishers (1971).
7. Stochastic Differential Equations and Applications. Vol. 1, Academic Press (1975).
8. Stochastic Differential Equations and Applications. Vol. 2, Academic Press (1976).
9. Variational Principles and Free Boundary Problems, Wiley & Sons (1983).
10. Mathematics in Industrial Problems, IMA Volume 16, Springer-Verlag (1988).
11. Mathematics in Industrial Problems, Part 2, IMA Volume 24, Springer-Verlag (1989).
12. Mathematics in Industrial Problems, Part 3, IMA Volume 31, Springer-Verlag (1990).
13. Mathematics in Industrial Problems, Part 4, IMA Volume 38, Springer-Verlag (1991).
14. Mathematics in Industrial Problems, Part 5, IMA Volume 49, Springer-Verlag (1992).
15. Mathematics in Industrial Problems, Part 6, IMA Volume 57, Springer-Verlag (1993).
16. (with W. Littman) Problems in Industrial Mathematics, SIAM, Philadelphia (1994).
17. Mathematics in Industrial Problems, Part 7, IMA Volume 67, Springer-Verlag (1994).
18. Mathematics in Industrial Problems, Part 8, IMA Volume 83, Springer-Verlag (1996).
19. Mathematics in Industrial Problems, Part 9, IMA Volume 88, Springer-Verlag (1997).
20. Mathematics in Industrial Problems, Part 10, IMA Volume 100, Springer-Verlag (1998).
21. (with D. Ross) Mathematical Models in Photographic Science, Springer-Verlag (2002).
22. (with B. Aguda) Models of Cellular Regulation, Oxford, 2008.
23. (with C. Y. Kao) Mathematical Modeling of Biological Processes, Springer (2014).
24. (with C. S. Chou) Introduction to Mathematical Biology, Springer (2016).

PUBLISHED REPORTS

- Chair of the report "Applications of the Mathematical Sciences to Materials Science," National Research Council, 1991.
- Chair of the report "Mathematical Foundations of High-Performance Computing and Communications," National Research Council, 1991.
- Member of the committee of the report "Doctoral Study and the Postdoctoral Experience in the United States," National Research Council, 1992.
- Friedman, J. Glimm and J. Lavery, "The Mathematical and Computational Sciences in Emerging Manufacturing Technologies and Management Practices," SIAM Reports on Issues in the Mathematical Sciences, Philadelphia 1992.
- Chair of the report "Mathematical Research in Materials Sciences," National Research Council, 1993.
- Friedman and J. Lavery, "How to Start an Industrial Mathematics Program in the University," SIAM, Philadelphia 1993.
- Chair of the report "Preserving Strength while meeting Challenge," National Research Council, 1998.
- Member of the committee for the report: "Mathematical Institutes," National Research Council, 1999

LECTURES IN CONFERENCES

LECTURES: 1985

Invitation for a one week visit at the Institute for Applied Mathematics in Minneapolis, Minnesota, March 1985.

Invitation to conference on "Nonlinear Parabolic Equations," Rome, Italy, April 1-6, 1985.

Invitation to "Stochastic Differential Systems," Bad Honnef, West Germany, June 4-7, 1985.

Invitation to be one of the organizers of "International Symposium on Mathematical Theory of Networks and Systems," Stockholm, Sweden, June 10-14, 1985.

Invitation to be a main lecturer in "Fifth Czechoslovak Conference on Differential equations and Their Applications," August 26-30, 1985.

Workshop in Partial Differential Equations and Applications, Tsinghua University, Peking, May 3-7, 1985.

Invitation to Symposium on Nonlinear Partial Differential Equations, MRC, Madison, Wisconsin, October 28-30, 1985.

LECTURES: 1986

Invitation for a Lecture Series at the University of Madrid, Madrid, Spain, May 1986.

Invitation to International Conference on Calculus of Variations and Optimal Control, Pisa, Italy, March 24-26, 1986.

Invitation to "Control of partial differential equations," Gainesville, Florida, February 2-6, 1986.

Conference on free boundary problems in Pavia (3 talk series), June 7-14, 1986.

LECTURES: 1987

Invited talk in a 3-day conference on nonlinear problem in evolution model, Los Alamos, February, 19, 1987.

A talk in "geometric design" conference, Wayne University, May, 1987.

Invited talk in a conference at Irsee, Germany, on free boundary problems, June 10-20, 1987.

LECTURES: 1988

Invited talk in a symposium on Inverse Problems, University of Maryland, March 1988.

RPI workshop on Mathematical Problems in Industry, June, 1988.

Invited talk in Conference on Nonlinear Evolution Equations, Nancy, France, March 1988.

Smith Associates lecture at Oxford University, November 1988.

LECTURES: 1989

Invited talks to workshop on Blow up of Solution of Evolution Equations, Edinburgh, May 1989.

LECTURES: 1990

Invited talk in conference on Numerical and Asymptotic Methods in Differential Equation, Argonne National Laboratories, February 1990.

Invited talk in Browder,s Conference, Rutgers University, May 1990.

Invited talk in Free Boundary Conference, Montreal, June 1990.

Invited talk in joint U.S. - Brazil Conference in PDE, at IMPA, Rio de Janeiro, October, 1990.

LECTURES: 1991

Invited talk, Conference in Metz (France) on Nonlinear Elliptic and Parabolic Equation, June 1991.

Invited talk, Conference in Bath, England on Nonlinear Analysis, July 1991.

Invited talk, Carnegie Mellon Conference in Nonlinear Analysis, September 1991.

LECTURES: 1992

Invited talk at the Opening of Fields Institute in Canada, June 1992.
Invited talk in Rome, Conference on Nonlinear Equations, June 1992.
Two invited talks in Nonlinear World, Tampa, Florida, August 1992.

LECTURES: 1993

Talk at SPIE meeting in materials science, Albuquerque, New Mexico, February 1993.
Invited talk in Conference on Waves, Delaware, June 1993.
Invited talk at ARO Conference at Carnegie Mellon, June 1993.
Invited talk in Free Boundary Conference, Toledo, Spain, June 1993
Invited talk at AMS/Canada Conference in Vancouver, August 1993.
University of Manitoba, Industrial Mathematics Conference, December 1993.

LECTURES: 1994

Southwest SIAM Chapter, Wake Forest, N.C. March 1994.

LECTURES: 1995

AMS Annual Meeting, January.
Glimm,s Conference, Stonybrook, April.
Yamaguti Conference, Kyoto, May.
Conference on Free Boundary Problem, Poland, June.
ICIAM, Hamburg, July.
Conference on Nonlinear PDE, Rome, October.

LECTURES: 1996

Present and Future Directions in Applied Mathematics, Notre Dame, April.
AMS-SIAM Summer School in Manufacturing, Williamstown, June.

LECTURES: 1997

Conference in PDE honor of Barenblatt, Rome, May.
Conference on Navier Stokes Equation, St. Petersburg, Russia, October.
Conference of Phase Transition, Weierstrass Institute, Berlin, November.

LECTURES: 1998

Free Boundary Problems and Application, Madeira, Portugal, January.
Conference in Partial Differential Equation, Northwestern University, March.
Conference on Industrial Mathematics, Northeastern University, April.
Conference in honor of Joel Smoller, University of California-Davis, April.
International Conference in Applied and Industrial Mathematics, Venice, Italy, June.
Conference on Phase Transition, Hangzoh, China, June
International Conference in Differential Equations, Prague, August
Workshop on Material Sciences, Munich, Germany, December

LECTURES: 1999

Conference in Differential Equations, Karmiel, Israel, May
Conference in Material Science in Honor of K.H. Hoffman, Munich, June
Plenary Talk in ICIAM (International Congress of Industrial & Applied Mathematics), Edinburgh, June
International Conference in PDE, Shanghai, July
Society of Engineering Science, Austin, Texas, October
Conference in Honor of J.L. Lions, Houston, Texas, October
Workshop on Multiscale Problems, Heidelberg, Germany, November
International Conference on Free Boundary Problems, Chiba, Japan, November

LECTURES: 2000

Conference "Mathematics & its Role in Civilization", University of Macau, January
University of Notre Dame, April
International Conference on "Nonlinear Parabolic Equations", Tel Aviv, Israel, June
SIAM Workshop on Industrial Mathematics, University of Washington, Seattle, October
Conference on Nonlinear Analysis, Heidelberg, October
RPI "Days of Applied Mathematics", October
Workshop on Nonlinear Analysis, Kyoto, Japan, December

LECTURES: 2001

Serrin's Conference, Minneapolis, November
Joint Taiwan – AMS conference in Taiwan, December

LECTURES: 2002

Midwest PDE Seminar, October
Conference on Cancer Models, Vanderbilt, April
Conference in Partial Differential Equations, Netherlands, March

LECTURES: 2003

International Conference in Nonlinear Evolution Equations, Rome, Italy, January
Dynamical Systems, Snow Bird, Utah, May
International Conference in Partial Differential Equations, Haifa, Israel, June
Conference on Applications of Partial Differential Equation, Sdeh Boker, Israel, June
Symposium on Application of PDE and Biocomplexity, Notre Dame, Indiana, August

LECTURES: 2004

Petrowski Conference, Moscow, May
Nonlinear Analysis, Florida, June
SIAM Life Science, Portland, July
Conference in Mathematical Biology, Notre Dame, October
SIAM regional conference, Dayton, OH, October

LECTURES: 2005

British Applied Mathematics Conference, Liverpool, April
Conference on Applied Mathematics and Mathematical Biology, NJIT, New Jersey, April
Workshop on Cancer, University of Michigan, April

Conference on Mathematical Biology and Cancer, Banach Institute, Bodrewo, Poland, May
Conference in Partial Differential Equations, Stockholm, May
International Conference in Free Boundary Problems, Portugal, June
Symposium on Mathematical Biology, Paris, September

LECTURES: 2006

PDE conference in honor of Kinderlehrer, Carnegie Mellon, October
Conference in Mathematical Biology, Nairobi, Kenya, December

LECTURES: 2007

Conference on Cancer, Dundee Scotland, March
Conference on Public Health, Phoenix, Arizona, March
ICIAM, Zurich, Switzerland, July
4th Danish Conference in Applied Mathematics, Copenhagen, August
MII Symposium, Philadelphia, October
K.H. Hoffman Conference, Munich, Germany, October
Future of Mathematics Education in Europe, Lisbon, Portugal, December

LECTURES: 2008

International Conference in Biomathematics, Marrakesh, Morocco, January
Conference on Pattern Formation in Developmental Biology, Linz, Austria, January
10th International Conference on Molecular System Biology, Manila, Philippines, February
International Symposium on ICT for Health, Manila, Philippines, March
International Conference in Nonlinear Analysis, Orlando, Florida, July
Annual meeting of the Korean Society of Mathematical Biology, Seoul, October
Future Directions in PDE (Caffarelli's conference) Austin, Texas, December

LECTURES: 2009

African Workshop in Mathematical Biology, Cape Town, January
SMB/CSMB International Conference in Hangzhou, China, June
BIRS workshop in mathematical biology, Banff, Canada, July
Conference on Partial Differential Equations, Prague, December

LECTURES: 2010

International Conference in System Biology, Tel Aviv, Israel, January
Workshop on Pattern Formation and Morphogenesis, IHES, Paris, January
OCC 2010 World Congress: Oxidants and Antioxidants in Biology, Santa Barbara, Calif., March
International Conference in Nonlinear PDES, Dnienpopetrovsk, Ukraine, September
Conference in Industrial Mathematics, Tokyo, October
Conference in Biological Processes Taiwan, December

LECTURES: 2011

MSRI Workshop on Free Boundary Problem, March
PDE International Conference in Toledo, Spain, June
PDE International Conference in Dniepopetrovsk, Ukraine, June
ICIAM Minisymposia talks, Vancouver, July

Cancer Conference, Erice, Sicily, August
International Conference on PDEs Applied to Biology, Beijing, October

LECTURES: 2012

International Conference SMB/India, January
International Conference in Free Boundary Problems, Bavaria (Germany), June
IHES conference in Mathematical Biology, June
AIMS International Conference, Florida, July
Conference in Mathematical Biology, Harbin, China, September
Sustainability Conference, Belgium, October

LECTURES: 2013

Conference in Mathematical Biology, Korea, May
Mathematical Biology Workshop, IHES, Paris, June
Mathematical Conference in Dynamical Systems, Lodze, Poland, June
BEER Conference in Mathematical Biology, Washington D. C. October
Mathematical Biology Conference, Bar Ilan University, Israel, October

LECTURES: 2014

MBI Workshop on Cancer-immune interaction, Columbus, April
Conference on Cancer, Korea, May
Center Regenerative Medicine Cell Based Therapy, Ohio, July

LECTURES: 2015

NIH workshop on Breast Cancer, Washington DC, January
MBI Cancer Workshops, April
International Conference on Mathematics in the Life and Physical Sciences, Beijing, May
Workshop on Management of Natural Resources, Howard University, June
Micro-Macro processes in mathematical biology, Banach Institute, Bedlewo, Poland, June
Epidemiology and infectious diseases, Erice, Italy, September
IMA Workshop on complex biological networks, November

LECTURES: 2016

Workshop on Cancer, Howard University, April
Conference in Mathematical Biology, Bialystok, Poland, June
Conference in Application of Mathematical Analysis, Lodz, Poland, June
SEARCDE 2015, Florida South Coast University, November
Workshop in Infectious Diseases, Howard University, November

COLLOQUIUM TALKS: 1984-85

Rensselaer Polytech. Institute, Troy, New York, February 13, 1984
M.I.T., Cambridge, Massachusetts, February 14, 1984
Carnegie-Mellon University, Pittsburgh, Pennsylvania, February 16, 1984
Purdue University, West Lafayette, Indiana, September 20, 1984
Tel Aviv University, Tel Aviv, Israel, October 29, 1984
Weizmann Institute, Rehovot, Israel, November 5, 1984

Hebrew Institute, Jerusalem, Israel, November 7, 1984
University of California, Berkeley, California, February 6, 1985
Three talks at the University of North Carolina, Raleigh, North Carolina, May 6-8, 1985
East China Institute of Textile Technology, Shanghai, China, May 28, 1985
Fudan University, Shanghai, China, May 29, 1985
Xian University, China, May 31, 1985

COLLOQUIUM TALKS: 1986-87

Tel Aviv University, December 1986
Ohio State University, February 1987
Oak Ridge, Tennessee, March 1987
University of Michigan, Ann Arbor, September 1987
University of Houston, September 1987
Rice University, September 1987
University of Pittsburgh, October 1987
Institute for Advanced Study, November 1987
Naval Surface Weapon, White Plains, November 1987

COLLOQUIUM TALKS: 1988-89

Princeton, Institute for Advanced Studies, May 1988
Purdue University, November 1988
Yale University, November 1988
Ohio State, December 1988
Wright-Patterson Institute of Technology, Dec. 1988
University of Calif., San Diego, February 1989
Georgia Tech., March 1989
Los Alamos, April 1989
University of Massachusetts, April 1989
Tokyo University, June 1989
Kyoto University, July 1989
Wichita State University, October 1989
Iowa State University, November 1989
Northwestern University, December 1989

COLLOQUIUM TALKS: 1990-91

University of Manitoba, March 1990
Hebrew University, March 1990
Virginia Polytech Institute, August 1990
Tokyo University, November 1990
University of Paris VI, March 1991
University of Augsburg, October 1991
University of Madrid, November 1991
Tokyo University, November 1991

COLLOQUIUM TALKS: 1991-1992

Xerox Webster Research, Rochester, NY, June 1992

Beer Sheva University, Institute for Industrial Mathematics, June 1992
Wayne State, Sept. 1992
University of Tokyo, November 1992

COLLOQUIUM TALKS: 1993-1994

A series of three colloquium talks in three universities in Taiwan, April 1993
National University of Seoul, Korea, August 1993
Ohio State University, October 1993
University of Austin, Texas, November 1993
University of Manitoba, Industrial Mathematics Conference, December 1993
Notre Dame, March 1994
Inst. For Industrial Mathematics, Beer Sheva, Israel, November 1994
Tel Aviv University, November 1994
Hebrew University, December 1994

COLLOQUIUM TALKS: 1995

University Southern Florida, February
University of Tokyo, June
University of Madrid, June
Central Florida University, October
University of Michigan, October

COLLOQUIUM TALKS: 1996

University of British Columbia, March
University of Madrid, May

COLLOQUIUM TALKS: 1997

University of Madrid, June
North Carolina State, October

COLLOQUIUM TALKS: 1998

University of Madrid, January
University of Lisbon, January
Herroitt-Watt University, February
Princeton (Distinguished Lecture Series), February
California Institute of Technology, March
Rowlee Lecture, University of Nebraska, Lincoln, April
Tel Aviv University, May
University of Pavia, June
Hong Kong Mathematical Society, June
Brown University, October
Universidad de Complutense, Madrid, November
University of Kaiserslautern, Germany, December

COLLOQUIUM TALKS: 1999

University of Texas, Austin, October
University of Illinois, Urbana, November

COLLOQUIUM TALKS: 2000

University of British Columbia, April
CWI, Amsterdam, May
University of Trento, Italy, October
Dow, Technical Advisory Board Meeting, Houston, October
Vanderbilt University, November

COLLOQUIUM TALKS: 2001

National University of Singapore, December

COLLOQUIUM TALKS: 2002

Fudan University, Shanghai, May
Taiwan Normal University, December
Taiwan National University, December

COLLOQUIUM TALKS: 2003

University of Pittsburg, February
University of Akron, April
Kent State, April
Five talks in North England and Scotland Seminar (Manchester, Leeds, Edinburgh, and Dundee),
May
University of Kansas, October

COLLOQUIUM TALKS: 2004

Vanderbilt, March
Iowa State, April
IUPUI, October
University of Michigan, October
SIAM Great Lake, Dearborn, MI, October
University of Minnesota, November
University of Cincinnati, November

COLLOQUIUM TALKS: 2005

University of California, Irvine, February
Nottingham University, England, April
Miami University, September
Indiana University, October
Oberlin College, October
Taiwan Normal University in Taipei, December

COLLOQUIUM TALKS: 2007

Howard University, April
University of Minnesota, May
Baylor University, Waco, November
Simon Fraser University, Vancouver, Canada, November

Singapore National University, Singapore, December
University of Lisbon, Portugal, December

COLLOQUIUM TALKS: 2008

University of Vienna, January
Purdue University, January
University of the Philippines, Manila, February
POSTEC, Phuang, Korea, October
Midwest PDE, Columbus, OH, November

COLLOQUIUM TALKS: 2009

Public lecture in CapeTown, South Africa, January
University of Barcelona, Madrid, March
University of Heidelberg, October

COLLOQUIUM TALKS: 2010

University of Auckland, New Zealand, February
Iowa State, Miller Distinguished Lecture, March
Ukraine Academy of Sciences, Kiev, September
Ching-Hua University, Taiwan, December

COLLOQUIUM TALKS: 2011

Bar Ilan University, November
Beijing University, October
China Academy of Science, October

COLLOQUIUM TALKS: 2012

AIMS, Cape Town, January
Stellenbosch University, South Africa, January
Howard University, October
Bar Ilan University, Israel, October
Hong Kong (one week series of lectures), December

COLLOQUIUM TALKS: 2013

Michigan State, April
Konkuk University, Seoul, May
Harbin Institute of Technology, one week lecture series, China
CIMAT, Mexico, September, October
Duke University, October
University of Kansas, October
Howard University, October

COLLOQUIUM TALKS: 2014

Arizona State University, April
Konkuk University, Seoul, Korea, May

COLLOQUIUM TALKS: 2015

Renmin University, May
Beijing Science and Technology, May
Beijing Technological University, May

COLLOQUIUM TALKS: 2016

Penn State, February
Technical University, Lodz, October
Clairmont Colleges, November
Nimbios, University of Tennessee, December

BIBLIOGRAPHY

1. *On the mean value theorem.* Bull. Res. Counc. Israel, Vol. 6A, (1956), 47--49.
2. *Mean values and polyharmonic polynomials.* Michigan Math. , Vol. 4 (1957), 67--74.
3. *Bilinear integrals of polyharmonic functions and of analytic functions.* Michigan Math. J., Vol. 4 (1957), 77--84.
4. *On n -metaharmonic functions and harmonic functions of infinite order.* Proc. Amer. Math. Soc., Vol. 8 (1957), 223--229.
5. *On classes of solutions of elliptic linear partial differential equations.* Proc. Amer. Math. Soc., Vol. 8 (1957), 418--427.
6. *On the properties of a singular Sturm-Liouville equation determined by its spectral functions.* Michigan Math. J., Vol. 4 (1957), 137--145.
7. *Classes of solutions of linear systems of partial differential equations of parabolic type.* Duke Math. J., Vol. 24 (1957), 433--442.
8. *On n -metacaloric functions.* Proc. Amer. Math. Soc., Vol. 8 (1957), 770--776.
9. *Oscillatory solutions of nonlinear autonomous differential equations or order higher than two.* Duke Math. J., Vol. 24 (1957), 561--566.
10. *On two theorems of Phragmen-Lindelof for linear elliptic and parabolic differential equations of the second order.* Pacific J. Math., Vol. 7 (1957), 1563--1575.
11. *On the regularity of the solutions of nonlinear elliptic and parabolic systems of partial differential equations.* J. Math. and Mech., Vol. 7 (1958), 43--59.
12. *Uniqueness properties in the theory of differential operators of elliptic type.* J. Math. and Mech., Vol. 7 (1958), 61--67.
13. *Linear partial differential systems with an additional differential equation at one point.* J. Math. and Mech., Vol. 7 (1958), 173--190.
14. *Interior estimates for parabolic systems of partial differential equations.* J. Math. and Mech., Vol. 7 (1958), 393--417.
15. *Liouville's theorem for parabolic equations of the second order with constant coefficients.* Proc. Amer. Math. Soc., Vol. 9 (1958), 272--277.
16. *Boundary estimates for second order parabolic equations and their applications.* J. Math. and Mech., Vol. 7 (1958), 771--791.
17. *On quasi-linear parabolic equations of the second order.* J. Math. and Mech., Vol. 7 (1958), 793--809.

18. *Remarks on the maximum principle for parabolic equations and its applications.* Pacific J. Math., Vol. 8 (1958), 201--211.
19. *Convergence of solutions of parabolic equations to a steady state.* J. Math. and Mech., Vol. 8 (1959), 57--76.
20. *Generalized heat transfer between solids and gases under nonlinear boundary conditions.* J. Math. and Mech., Vol. 8 (1959), 161--183.
21. *Asymptotic behavior of solutions of parabolic equations.* J. Math. and Mech., Vol. 8 (1959), 387--392.
22. *On the uniqueness of the Cauchy problem for parabolic equations.* Amer. J. Math., Vol. 81 (1959), 503--511.
23. *Free boundary problems for parabolic equations I: Melting of solids.* J. Math. and Mech., Vol. 8 (1959), 499--517.
24. *Parabolic equations of the second order.* Trans. Amer. Math. Soc., Vol. 93 (1959), 509--530.
25. *Free boundary problems for parabolic equations II: Condensation and evaporation of a liquid drop.* J. Math. and Mech., Vol. 9 (1960), 19--66.
26. *Free boundary problems for parabolic equations III: Dissolution of a gas bubble in liquid.* J. Math. and Mech., Vol. 9 (1960), 327--345.
27. *Mildly nonlinear parabolic equations with application to flow of gases through porous media.* Archive Rat. Mech. and Anal., Vol. 5 (1960), 238--248.
28. *On quasi-linear parabolic equations of the second order II.* J. Math. and Mech., Vol. 9 (1960), 539--558.
29. *Remarks on Stefan-type free boundary problems for parabolic equations.* J. Math. and Mech., Vol. 9 (1960), 885--903.
30. *A new proof and generalizations of the Cauchy-Kowaleski theorem.* Trans. Amer. Math. Soc., Vol. 98 (1961), 1--20.
31. *A strong maximum principle for weakly subparabolic functions.* Pacific J. Math., Vol. 11 (1961), 175--184.
32. *Simplifying the structure of second order partial differential equations.* Trans. Amer. Math. Soc., Vol. 99 (1961), 303--307.
33. *Local isometric imbedding of Riemannian manifolds with indefinite metric.* J. Math. and Mech., Vol. 10 (1961), 625--649.
34. *On fundamental solutions of elliptic equations.* Proc. Amer. Math. Soc., Vol. 12 (1961), 533-537.
35. *Asymptotic behavior of solutions of parabolic equations of any order.* Acta. Math., Vol. 106 (1961), 1--43.
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