

Curriculum Vita

Yehoram Gordon

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Married + 2.

Academic Degrees

1965 M.Sc., Hebrew U. of Jerusalem, Israel.

1971 Ph.D., Hebrew U. of Jerusalem.

Appointments

1965-70 Teaching Assistant, Hebrew U. of Jerusalem.

1970-71 Instructor, Hebrew U. of Jerusalem.

1974-78 Senior Lecturer, Technion.

1978-87 Associate Professor, Technion.

1987- Professor, Technion.

1993- The Technion Management Chair in Mathematics.

2008 (Oct.)- Professor Emeritus.

Visiting Appointments

1971-74 Visiting Assistant Prof., Louisiana State U., Baton Rouge, Louisiana.

1977-78 V. Assoc. Prof., Ohio State U., Columbus, Ohio.

1980-82 V. Assoc. Prof., Texas A&M U., College Station, Texas.

1988-89 V. Prof., Texas A&M U., College Station, Texas.

1989-90 V. Prof., U. of Illinois, Urbana-Champaign, Illinois.

97 Aug-98 Feb V. Prof.: U. of Illinois, Urbana-Champaign, Illinois.

U. of Kiel, Kiel, Germany., U. of Oldenburg, Oldenburg, Germany

Polish Acad. of Science and Warsaw U., Warsaw, Poland

U. de Marne-la-Vallee, France

Odense U., Odense, Denmark

U. of Kiel, Kiel, Germany.
 June02-Oct03 On Sabbatical leave from Technion abroad.
 2002 Aug-Dec V. Prof., U. of Missouri, Columbia, Missouri.
 2007 Sept-Jan15-08 V. Prof., Texas A&M U., College Station, Texas.

Short Term International Visits and Appointments

1975 Summer Visiting Research Scientist, U. of Florida, Gainesville, Florida, U.S.A.
 1983 Summer V. Prof., U. of Kiel, Kiel, Germany.
 1984 Summer V. Assoc. Prof., U. of Texas at Austin, Texas, U.S.A.
 1986 Summer V. Assoc. Prof., U. of Texas at Austin, Texas, U.S.A.
 1987 September V. Prof., Odense U., Odense, Denmark.
 1988 February V. Prof., U. of Paris VI, Paris, France.
 1991 Summer V. Prof., Texas A&M U., College Station, Texas, U.S.A.
 V. Prof., U. of Alberta, Edmonton, Canada,
 V. Prof., Odense U., Odense, Denmark.
 1992 May V. Prof., U. of Zaragoza, Zaragoza, Spain.
 1992 Summer V. Prof., Texas A&M U., College Station, Texas, U.S.A.
 V. Prof., U. of Illinois, Urbana-Champaign, Illinois, U.S.A.
 V. Prof., U. of Paris VI, Paris, France.
 1992 Sept.-Oct. V. Prof., Warsaw U., Warsaw, Poland.
 1993 August V. Prof. Texas A&M U. and, U. of Illinois, Urbana-Champaign, Illinois,
 U.S.A.
 1993 September V. Prof., U. of Paris VI, Paris, France.
 1994 September V. Prof., Odense U., Odense, Denmark.
 1994 Nov.-Dec. V. Prof., U. of Kiel, Kiel, Germany.
 1995 July V. Prof., U. de Marne-la-Vallee, France.
 1995 Aug.-Sept. V. Prof., Odense U., Odense, Denmark.
 1996 Feb.-March General Member at the Mathematical Sciences Research Institute MSRI,
 Berkeley, California, U.S.A.
 1996 August V. Prof., U. of Kiel, Kiel, Germany.
 1996 Sept.-Oct. V. Prof., U. de Marne-la Vallee, France.
 1998 February V. Prof., U. of Kiel, Kiel, Germany.
 1998 July V. Prof., Texas A&M U., College Station, Texas, U.S.A.
 1998 August V. Prof., U. of Kiel, Kiel, Germany.
 1998 September V. Prof., U. de Marne-la-Vallee, France.
 1999 April V. Prof., Erwin Schroedinger Institute, Vienna, Austria.
 1999 July V. Prof., U. of British Columbia, Vancouver, Canada.
 1999 July-Aug V. Prof., U. of Kiel, Kiel, Germany.
 1999 Aug-Sept V. Prof., U. de Marne-la-Vallee, France.
 2000 July V. Prof., U. of Kiel, Kiel, Germany.
 2000 August V. Prof., Odense U., Odense, Denmark,
 Renyi Institute of Math., Hungarian Acad. Science, Budapest, Hungary.
 2000 Sept V. Prof., U. de Marne-la-Vallee, U. of Paris VI, France.

2001 July1-Aug10 V. Prof., U. of Kiel, Germany
 2001 Sept6-Oct11 V. Prof., U. de Marne-la-Vallee, France
 2002 July1-Aug12 V. Prof., U. of British Columbia, Pacific Institute of Mathematical
 Sciences, Vancouver, Canada.
 2003 Dec25-Jan08 V. Prof., U. of Illinois, Urbana-Champaign, Illinois.
 2003 Jan10-Feb15 V. Prof., Australian Natl. U., Canberra, Australia.
 2003 Feb15-Apr04 V. Prof., U. of Alberta, Edmonton, Alberta, Canada.
 2003 Apr21-May31 V. Prof., U. de Marne-la-Vallee, France.
 2003 July1-July31 V. Prof., U. of Kiel, Kiel, Germany.
 2003 Aug1-Aug15 V. Prof., U. of Southern Denmark, Odense, Denmark.
 2003 Aug15-Sept23 V. Prof., U. de Marne-la-Vallee, France.
 2003 Sept23-Oct10 V. Prof., U. of Seville, Seville, Spain.
 2004 June30-July9 V. Prof., U. of Alberta, Edmonton, Canada.
 2004 July24-Aug2 V. Prof., U. of Purdue, Lafayette, Indiana.
 2004 Aug2-Aug26 V. Prof., Case Western Reserve U., Cleveland, Ohio.
 2004 Aug26-Sept26 V. Prof., U. de Marne-la-Vallee, France.
 2005 Aug25-Sept25 V. Prof., U. de Marne-la-Vallee, France.
 2006 Aug13-Aug28 V. Prof., U. of Alberta, Edmonton, Canada.
 2006 Aug28-Sept27 V. Prof., U. de Marne-la-Vallee, France.
 2008 Jan2-Feb1 V. Miller Scholar Professorship, U. of Missouri, Columbia, Missouri.
 2008 Feb1-March6 V. Prof., U. of Alberta, Edmonton, Canada.
 2009 Jan16-Feb1 V. Prof., U. of Alberta, Edmonton, Canada.
 2009 Aug26-Dec25 V. Prof., Foundation Sciences Mathematiques de Paris and
 U. Paris-Est Marne-la-Vallee, France.
 2010 02.04-08.04 V. Prof., U. of Alberta, Edmonton, Canada.
 2011 15.04- 15.05 U. Paris-Est Marne-la-Vallee, France.

Technion Committees

1979 & 1980 Coordinated Committee for Graduate Students in Mathematics.
 1979 & 1980 Representative of the Math. Dept. in Graduate School.
 1984 & 1985 Chairman of the Math. Library Committee.
 1991 & 1992 Member of Technion Senate elected committee for Academic Development.
 1992 & 1993 Member of Technion Degree Committee in Graduate School.
 1993 & 1994 Member of preliminary review committee for promotions, tenure and job
 applications in Math. Dept.
 1994 & 1995 Initiated, and participated in Dean appointed committee for organizing studies
 leading to a new Technion degree in "Mathematics with Computer Science".
 1999-2001 Member of Technion Senate elected committee for honorary degrees.
 2003-2007 Chairman of Visiting Scientists and Post-Doc committee.

Grants and Prizes

1972-74 N.S.F. Grant # GP-34193, Principal Investigator (P.I.)

- 1975 N.S.F. Grant # MPS-74-64198 A 01, (P.I.)
- 1977-78 N.S.F. Grant # MCS-77-04174, (P.I.)
- 1981 N.S.F. Grant # MCS-81-09561, (P.I.)
- 1983 Mahler prize for Mathematics, jointly with Y. Benyamini.
- 1983 Israel Academy of Science Grant for Mathematics, jointly with J. Lindenstrauss, V. Milman and G. Schechtman.
- 1983-99 Grants for the promotion of research at the Technion.
- 1989-91 N.S.F. Grant #DMS-8909745, (P.I.)
- 1991-2007 Yearly grants for the promotion of research at the Technion.
- 1987-92 U.S.A. - Israel Binational Science Foundation Grant #86-00074.
- 1994 Scientific Exchange Program grant between the Royal Danish Academy and Israel Ministry for Arts and Sciences.
- 1996 Arc en Ciel - Scientific Exchange Program grant between France and Israel.
- 2001-2002 2 year Nato Collaborative Linkage Grant PST.CLG.977406.
- 2001-2002 Arc-en-Ciel, Exchange grant supported by the French Government.
- 2004-2008 Member of the Marie Curie Euronet network project
"Phenomena in High Dimensions".
- 2005-2007 Principal Investigator in the France-Israel Collaborative Exchange Agreement:
Project No. 3-1350 (with U. of Paris VI, U. de Marne-la-Vallee, U. of Haifa, Technion).
- 2007-2009 Collaborative Exchange Agreement:
Project No. 3-1350 (with U. of Paris VI, U. de Marne-la-Vallee, U. of Haifa, Technion).

Reviews Reviewer for the American Mathematical Society, National Science Foundation, U.S.A.-Israel Binational Science Foundation.

Memberships American Mathematical Society, Israel Mathematical Union, European Mathematical Society.

Research Fields Functional Analysis, Banach spaces, Probability in Banach spaces, Geometry, Approximation Theory.

Organizational activities

Organized the Functional Analysis section of the Annual Israel Mathematical Union conference, April 1994.

Member of the organizing committee of the Functional Analysis Section in the American Mathematical Society & Israel Mathematical Union International Conference, May 1995.

Scientific committee, with V. Milman (Chair) and J. Lindenstrauss and G. Schechtman, in organizing the international workshop on "Convex Geometric Functional Analysis", April 2000, supported by the Israel Academy of Science.

International Workshop in "Geometric Convex Analysis", Technion, March 2000.

Geometric and Topological Aspects of Functional Analysis, Technion and Haifa University,

May 19-22, 2002.

Asymptotic Geometric Analysis (conference in honor of Nicole Tomczak-Jaegermann),
Dead Sea, June 2005.

Editorial Board

Feb 96- Editorial Board member of **POSITIVITY** - International Journal Devoted to
the Role of Positivity in Analysis and its Applications, Birkhäuser.

International Conferences & Workshops at which I gave Talks (partial list 1978 -)

Meeting of the American Mathematical Society, March 1978, Ohio State U., Colum-
bus, Ohio, U.S.A.

International conference on Banach Spaces, August 1979, Kent State U., Kent, Ohio,
U.S.A.

International conference on Geometry of Banach Spaces, November 1979, Oberwol-
fach, Germany.

International conference on The Geometry of Banach Spaces, December 1979, U. of
Athens, Crete, Greece.

International Workshop on Banach Spaces, June-July 1980, Institute of advanced
Studies, Jerusalem, Israel.

87th Annual Meeting of the American Mathematical Society, January 1981, San
Francisco, California, U.S.A.

790 Meeting of the American Mathematical Society, November 1981, Austin, Texas,
U.S.A.

International Research workshop on Martingale Theory and Banach Spaces, July
1981, U. of Iowa, Iowa City, Iowa, U.S.A.

NSF-CBMS Regional Conference on Factorization of Linear Operators and Geom-
etry of Banach Spaces, June 1984, U. of Missouri, Columbia, Missouri, U.S.A.

International Research Workshop on Banach Spaces, July 1984, Ohio State U.,
Columbus, Ohio, U.S.A.

National Council for Research and Development Bi-National French-Israeli Math-
ematical Symposium on Linear Partial Differential Equations, Numerical Analysis,
Geometry of Banach Spaces, March 1985, Jerusalem, Israel.

NSF International Conference on Banach Spaces and Classical Analysis, July 1985,
Kent State U., Kent, Ohio, U.S.A.

International Research Workshop on Geometry of Banach Spaces, August 1985, Texas A&M U., College Station, Texas, U.S.A.

Sixth International Conference on Probability in Banach Spaces, June 1986, U. of Aarhus, Denmark.

International Research Workshop on Geometry of Banach Spaces, August 1986, Texas A&M U. and U. of Texas at Austin, U.S.A.

International Conference on Geometry of Banach Spaces, August 1987, U. of Mons, Mons, Belgium.

Annual Seminar of the Canadian Mathematical Society on Banach Spaces and Geometry of Convex bodies, June 17-23, 1988, Banff Center, Banff, Alberta, Canada.

International Conference on Geometry of Banach Spaces, June 1989, Stroble, Austria.

The U. of Texas at Austin & Texas A&M Regional Functional Analysis Workshop, July 1989.

Principal speaker at The Wabash North-East U.S.A. Regional Conference, Feb. 1990, Wabash College, Indiana, U.S.A.

International Conference on Geometry of Banach Spaces, June 1990, Hebrew U., Jerusalem, Israel.

Texas A&M U. Regional Functional Analysis Workshop, July 1991.

International Conference on the Geometry of Banach Spaces, Sept. 1991, Oberwolfach, Germany.

International Conference on the Geometry of Banach Spaces, U. of Los Andes, Jan. 1992, Merida, Venezuela.

Texas A&M U. Regional Functional Analysis Workshop, Aug. 1993.

International Conference on Convexity, Equipe d'Analyse et de Mathematiques Appliquees, Université de Marne-la-Vallée, Sept. 1994, France.

Workshop on Convexity and Geometry of Banach Spaces, Mathematical Sciences Research Institute, Berkeley, California, U.S.A., Feb. 2 - March 18, 1996.

International Conference on the Geometry of Banach Spaces, Sept. 1996, Oberwolfach, Germany.

Annual conference of the Israel Mathematical Union, Bar-Ilan Univ., May 20, 1997.

"Volume formulas in L_p spaces", Conference on Convex Geometry, Dec. 7-13, 1997. Oberwolfach, Germany.

"The relations between volume formulas, ideal norms and local theory in Banach spaces", conference on Positivity and its applications, June 22-27, 1998. Middle East Technical University, Ankara, Turkey.

"The relations between volume formulas, ideal norms and local theory", Regional SUMIFRAS conference at Texas A&M U. College Station, Texas, July 24-26, 1998.

"On volume ratios", International Conference on Geometry and Analysis, organized by the Erwin Schroedinger Institute, Vienna, in Schloeb Weinberg castle, Austria, April 9-11, 1999.

"Volume formulas and volume ratios", International Meeting on Functional Analysis, Erwin Schroedinger Institute, Vienna, Austria, April 4 - 18, 1999.

"Geometry of normed ideals in Banach spaces", International workshop and conference on Geometric Aspects of Local Theory, U. of British Columbia, Vancouver, Canada, June 30-July 25, 1999.

"Orlicz norms of sequences of random variables", Oberwolfach Konvexgeometrie workshop, April 22-28, 2001.

"Spaces failing local unconditional structure", Nijmegen University, Holland, Positivity conference, July 9-13, 2001.

"Local theory of convex bodies between zonotopes and polytopes", Anogia Village, Crete, August 19-23, 2001.

"Applications of zonoids to asymptotic geometric analysis", July 24, 2002, Pacific Institute of Mathematical Sciences, University of British Columbia, Asymptotic Geometric Analysis, Conference on Convexity and Asymptotic theory of Normed spaces.

"Sharp asymptotic estimates on parameters associated with spherical sections of classical normed spaces", Principal Speaker at the Wabash Extramural Modern Analysis Miniconference, IUPUI, Sept. 22, 2002.

"Inequalities related to convex bodies and applications", Principal speaker, AMS Mathematical Meeting No. 979, 2002 Fall Eastern Section Meeting, Boston, Oct. 5, 2002.

"Geometrical properties of convex bodies", International Conference on Banach Spaces and Convex Analysis, University of Kiel, April 13-19, 2003.

Visiting Participant, Workshop on "convex geometric analysis", Banff International Research Station, Banff, Canada, July10-17, 2004.

"Gaussian measure and complexity theory", Snowbird, Visiting Participant, American Math. Soc. workshop, Utah, July 17-24, 2004.

"Probabilistic min-max theorems revisited and applications to geometry", Annual International Conference of Marie Curie EU network Convex Geometry and High Dimensional Phenomena, Technical University, Vienna, July 20-27, 2005.

Visiting participant "Phenomena in high dimensions", Institut Henri Poincar (IHP) in Paris, July 7-13, 2006.

"Some applications of the Gaussian min-max theorem to convex geometry", NSF/CBMS Regional Conference in Mathematical Analysis, Kansas State University, Manhattan, Kansas, July 29-Aug 3, 2006.

"The Gaussian min-max theorem and some geometric applications", CBMS/NSF conference Probability and Combinatorial Approach in Analysis, Kent State University, Kent, Ohio, August 6-12, 2006.

"Random ε nets and embeddings in ℓ_∞^N ", Oberwolfach conference on "Konvexgeometrie" ID 0651, December 17-23, 2006, Germany.

Visiting participant "Phenomena in high dimensions", 3rd Annual Conference, Marie Curie Euronet network project, Samos, Greece, June 25-29, 2007.

"Applications of the Gaussian min-max theorem to geometry, SUMIFRAS WORKSHOP on "Probability Inequalities with Applications to High Dimensional Phenomena", College Station, Texas, August 6-August 10, 2007.

"Random ε nets and embeddings in ℓ_∞^N ", SUMIFRAS workshop, College Station, Texas, August 10-August 12, 2007.

Participant in "Fourier analytic methods in convex geometry" American Institute of Mathematics, Palo Alto CA, conference, August 20 to August 24, 2007.

Participant in PIMS-CRG workshop in "Geometry and Harmonic Analysis", University of Calgary, Feb. 9-10, 2008.

Invited Speaker in the Phenomena in High Dimensions 4th Annual Conference, Seville, Spain, 23-27 June 2008, on "Generalizing the Johnson Lindenstrauss lemma to k -dimensional affine subspaces". <http://congreso.us.es/phd/>

Invited speaker at the France-Israel High Council for Science and Technology Research Status Seminar, Crowne Plaza Hotel, Jerusalem, Israel, 08-09/12/2008, on "The Investigation of Convex Bodies-Probabilistic and Geometric Methods".

Invited speaker at the Birs Research Station workshop, Banff, Canada "Affine Convex Geometric Analysis 09w5048, January 11 to January 16, 2009. Title of Talk: "The Investigation of Convex Bodies-Probabilistic and Geometric Methods". <http://www.birs.ca/events/2009/5-day-workshops/09w5048>

Participant in The Banff International Research Station conference on "Volume Inequalities" (10w5114), 28.03.2010-02.04.2010. <http://www.birs.ca/events/2010/5-day-workshops/10w5114>

Participant in the workshop, sponsored by American Institute of Mathematics (AIM) and NSF, "Mahler's conjecture and duality in convex geometry" August 9 to August 13, 2010 at the American Institute of Mathematics, Palo Alto, California.
<http://www.aimath.org/ARCC/workshops/mahlerduality.html>

Participated as a main speaker in the "Thematic Program on Asymptotic Geometric Analysis" July - December 2010 September 8-10, 2010. Talk title "Generalizing the Johnson-Lindenstrauss lemma to k - dimensional affine subspaces". Including in the "Concentration period on Convexity September" 13-17, 2010, and Workshop on Asymptotic Geometric Analysis and Convexity September 20-22, 2010 in the "Concentration period on Asymptotic Geometric Analysis."
<http://www.fields.utoronto.ca/programs/scientific/10-11/asymptotic/index.html>

Participated in "Conference on Perspectives in High Dimensions", Case Western Reserve University in Cleveland, Ohio, from August 2 until August 6, 2010.
<http://www.case.edu/artsci/math/perspectivesInHighDimensions>

Participant in the Oberwolfach Workshop ID 1118. Title: Random Matrices, Geometric Functional Analysis and Algorithms, 01.05-07.05.2011

Speaker in the 2011 CMS Summer meeting, "Asymptotic geometric analysis and convex geometry", June 3-5, U. of Alberta, Edmonton. Talk title "On the minima of the functional Mahler product". <http://cms.math.ca/Events/summer11/>

Recent colloquia and seminar talks abroad

"Volume formulas in L_p spaces", Seminar, . Univ. of Illinois at Urbana-Champaign, Illinois, U.S.A., Sept. 4, 1997".

"Spherical sections having large dimensions of arbitrary convex bodies", Seminar, Univ. of Illinois at Urbana-Champaign, Sept. 11, 1997.

"Spherical sections of convex bodies, part I", Seminar, U. of Oldenburg, Germany, Oct. 24, 1997.

"Spherical sections of convex bodies, part II", Seminar, U. of Oldenburg, Germany, Oct. 31, 1997.

"Probabilistic methods in functional analysis and geometry". Colloquium, U. of Oldenburg, Germany, Nov. 11, 1997.

"Spherical sections of convex bodies", Colloquium, Free U. of Berlin, Nov. 19, 1997.

"Large dimensional Euclidean sections in convex bodies and Dvoretzky's theorem", Seminar, Polish Acad. of Science, Warsaw, Nov. 25, 1997.

"Volume formulas in L_p spaces", Seminar, Polish Acad. of Science, Warsaw, Dec. 2, 1997.

"Volume formulas in L_p spaces", Conference on Convex Geometry, Oberwolfach, Germany, Dec. 8-13, 1997.

"How to find Euclidean sections in convex bodies?", Seminar in Analysis, Odense U., Odense, Denmark, Jan. 22, 1998.

"How to find Euclidean sections in convex bodies?", Colloquium, U. of Kiel, Kiel, Germany, Feb. 13, 1998.

"Volume ratios in L_p spaces", Analysis Seminar Technical University, Vienna, Austria, April 16, 1999.

"Euclidean Sections of Some Classical Banach Spaces", Funct. Analysis Seminar, U. of Kiel, Germany, July 19, 2000.

"Best Estimates on Euclidean Sections of Classical Banach Spaces", Colloquium, U. of Odense, Denmark, Aug. 10, 2000.

"Best Estimates on Euclidean Sections of Classical Banach Spaces", Renyi Institute, Hungarian Acad. of Science, Budapest, Hungary, Aug. 29, 2000.

"Geometry of balls between zonotopes and polytopes", Seminar U. of Paris VI, October 4, 2001.

"Probability estimates in Orlicz spaces", U. de Marne-la-Vallee, October 21, 2001.

"Probabilistic and geometric estimates on some parameters in the local theory of convex bodies", Colloquium, U. of Indianapolis-Purdue IUPUI, Sept. 20, 2002.

"Random subspaces of dimension k that miss sets in R^n ", Convex Geometry Seminar, U. of Missouri-Columbia, USA, Oct. 30, 2002.

"Random subspaces of dimension k that miss sets in R^n , part II", Convex Geometry Seminar, U. of Missouri-Columbia, USA, Nov. 6, 2002.

"Applications of Gaussian processes to convex geometry", Modern Analysis Seminar, U. of Missouri-Columbia, USA, Nov. 12, 2002.

"The Fritz-John theorem for arbitrary convex bodies", Banach Space Seminar, U. of Missouri-Columbia, USA, Dec. 3, 2002.

"On the Banach Mazur distance between convex bodies", Analysis Seminar, Univ. of Kiel, Germany, Aug. 14, 2003.

"The Fritz-John theorem for arbitrary convex bodies", Banach Space Seminar, University of Southern Denmark, Odense, Denmark, Aug. 24, 2002.

Series of three invited research seminar talks on geometric and probabilistic aspects of geometry, University of Seville, Spain, Sept. 26, Oct. 1 and 8, 2003.

Two invited research seminar talks on geometric and probabilistic aspects of geometry, University of Alberta, Edmonton, Canada, Aug. 13-28, 2006.

Seminar talk "Simple proofs of some important theorems in Local Theory", U. de Marne-la-Vallee, France Sept. 26, 2006.

2 Seminar talks in October 2007 on Generalizations of the F. John theorem to convex bodies, and 1 talk in December 2007 on "New proof of the Restricted Isometry Property (RIP) in Approximation Theory", in Texas *A&M University*, College Station, Texas.

Colloquium in U. of Alberta, Edmonton, on "Applications of the Gaussian Min-Max theorem", Jan 30, 2008.

Colloquium in U. of Cyprus, Nicosia, on "Applications of the Gaussian Min-Max theorem", May 5, 2008.

List of Publications

M.Sc. Thesis "Approximation in the complex domain". Adviser Branko Grünbaum.

Ph.D. Thesis "Parameters in Banach spaces". Adviser Joram Lindenstrauss and partly, Aryeh Dvoretzky.

Y. Gordon, properties of generalized juxtapolynomials, *Israel J. Math.* 4 (1966), 177-188.

Y. Gordon, On the projection and MacPhail constants in ℓ_p^n spaces, *Israel J. Math.* 6 (1968), 295-302.

Y. Gordon, On p -absolutely summing constants of Banach spaces, *Israel J. Math.* 7 (1969), 151-163.

Y. Gordon, On the distance coefficient between isomorphic function spaces, *Israel J. Math.* 8 (1970), 391-397.

D.J.H. Garling and Y. Gordon, Relations between some constants associated with finite-dimensional Banach spaces, *Israel J. Math.* 9 (1971), 346-361.

Y. Gordon and, H.S. Witsenhausen, On extensions of the Gale Berlekamp switching problem and constants of ℓ_p^n spaces, *Israel J. Math.* 11 (1972), 216-229.

Y. Gordon, D.R. Lewis and J.R. Retherford, Banach ideals of operators with applications to the finite-dimensional structure of Banach spaces, *Israel J. Math.* 13 (1972), 348-360.

Y. Gordon, Asymmetry and projection constants of Banach spaces, *Israel J. Math.* 14 (1973), 50-62.

- Y. Gordon, D.R. Lewis and J.R. Retherford, Banach ideals of operators with applications, *J. Functional Anal.* 14 (1973), 85-129.
- Y. Gordon and D.R. Lewis, Absolutely summing, L_p factorizable operators and their applications, *Bull. Amer. Math. Soc.* 79 (1973), 1270-1273.
- Y. Gordon and D.R. Lewis, Absolutely summing operators and local unconditional structures, *Acta Math.* 133 (1974), 27-48.
- Y. Gordon and D.R. Lewis, Banach ideals on Hilbert spaces, *Studia Math.* 54 (1975), 161-172.
- Y. Gordon, Unconditional Schauder decompositions of normed ideals of operators between some ℓ_p spaces, *Pac. J. Math.* 60 (1975), 71-82.
- Y. Gordon and P.D. Saphar, Ideal norms on $E \otimes_\epsilon L_p$, *Illinois J. Math.* 21 (1977), 266-285.
- Y. Gordon and D.R. Lewis, Isometries of diagonally symmetric Banach spaces, *Israel J. Math.* 28 (1977), 45-67.
- Y. Gordon and R. Loewy, Uniqueness of (Δ) bases and isometries of Banach spaces, *Mathematisches Annalen* 241 (1979), 159-180.
- Y. Gordon, p - Local unconditional structure of Banach Spaces, *Compositio Math.* 41 (1980), 189-205.
- Y. Gordon, A note on the GL constant of $E \otimes_\epsilon F$, *Israel J. Math.* 39 (1981), 141-144.
- Y. Benyamini and Y. Gordon, Random factorization of operators between Banach spaces, *J. D'Analyse Mathematique* 39 (1981), 45-74.
- Y. Gordon and S. Reisner, Some aspects of volume estimates to various parameters in Banach spaces, *Proc. research workshop on Banach space theory, Iowa City, July 1981*, edited by Bor-Luh-Lin. Univ. of Iowa Press, 1982, 23-54.
- Y. Gordon and S. Reisner, Some geometrical properties of Banach spaces of polynomials, *Israel J. Math.* 42 (1982), 99-116.
- Y. Gordon, Some inequalities for Gaussian processes and applications, *Israel J. Math.* 50 (1985), 265-289.
- Y. Gordon, H. König and C. Schütt, On the duality problem for entropy numbers, *U. of Texas Funct. Anal. Sem. Longhorn notes*, 1985.
- Y. Gordon, On Dvoretzky's theorem and extensions of Slepian's lemma, *Geometric aspects of functional analysis, GAFA, Israel Seminar of Funct. Anal. book*, 1984/85.
- Y. Gordon, H. König and C. Schütt, Dualité des nombres d'entropie, *Seminaire d'Analyse Fonctionnelle 1984-85*, *Pub. Math. Univ. Paris VII*, 26 (1986), 95-97.

- Y. Gordon, H. König and C. Schütt, Geometric and probabilistic estimates for entropy and approximation numbers of operators, *J. Approx. Th.* 49 (1987), 219-239.
- Y. Gordon, Elliptically contoured distributions, *Probab. Th. Rel. Fields*, 76 (1987), 429-438.
- Y. Gordon, Gaussian processes and almost spherical sections of convex bodies, *Annals of Prob.* 16 (1988), 180-188.
- Y. Gordon, M. Meyer and S. Reisner, Zonoids with minimal volume-product - a new proof, *Proc. A.M.S.* 104 no.1, Sept. 1988.
- Y. Gordon, On Milman's inequality and random subspaces which escape through a mesh in R^n , *Geometric Aspects of Functional Analysis, GAFA Seminar*, Springer-Verlag Lecture Notes 1317, 84-106.
- Y. Gordon and D.R. Lewis, Dvoretzky's theorem for quasi-normed space, *Illinois J. Math.* 35, #2, (1991), 250-259.
- Y. Gordon, Majorization of Gaussian processes and geometric applications, *Prob. Theory and Rel. Fields* 91 (1992), 251-267.
- Y. Gordon, Quantitative estimates on random subspaces which miss arbitrary measurable sets on the sphere, *Contemporary Mathematics* 144 (1993), 127-134.
- Y. Gordon, M. Meyer and S. Reisner, Volume approximation of convex bodies by polytopes - A constructive method, *Studia Math.* 111 (1) (1994), 81-95.
- G. Gilat and Y. Gordon, Geometric properties of chiral bodies, *Journal of Mathematical Chemistry* 16 (1994), 37-48.
- Y. Gordon and N. J. Kalton, Local structure theory for quasi-normed spaces, *Bull. Sci. Math.*, 118 (1994), 441-453.
- Y. Gordon and M. Meyer, On the volume of unions and intersections of balls in Euclidean space, *Operator Theory: Advances and Applications*, 77 (1995), 91-101.
- Y. Gordon, M. Meyer and S. Reisner, Constructing a polytope to approximate a convex body, *Geometriae Dedicata* 57 (1995), 217-222.
- Y. Gordon, M. Meyer and A. Pajor, Ratios of volumes and factorization through ℓ_∞ , *Illinois J. Math.* 40 Number 1, (1996), 91-107.
- Y. Gordon, S. Reisner and C. Schütt, Umbrellas and polytopal approximation of the Euclidean ball, *J. Approx. Theory* 90, 1, (1997), 9-22.
- Y. Gordon and M. Junge, Volume formulas in L_p spaces, *Positivity*, Vol. 1, No. 1, (1997), 7-43.

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