

HIT - HOLON INSTITUTE OF TECHNOLOGY

Date: 6th December 2025

Name MARK KORENBLIT Ph.D. 306835414
(first)(last) (acad. degree) No. id. Card
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Home Address Reznick David 1/11, Netanya 42463 Phone No. 09-8654797 050-7605923
(date) (country) (home) (mobile)
Date/place of birth 13/4/1962 Kiev, USSR Date of arrival in Israel 1990
(date) (country)
ZAHAL, (Israeli) Military Service _____
- _____
(discharged)
dates (enlisted)
Marital Status Married No. of children 1

Email: Korenblit@hit.ac.il

A. EDUCATION

Period of Study (dates)	Name of University (including city and country if not in Israel)	Subject	Degree or Professional Licence	Date of Award
1979-1985	Department of Technical Cybernetics, Polytechnic Institute, Leningrad, USSR	Automated Control Systems	M.Sc.	1985
1991-1995	Department of Mathematics and Computer Science, Bar-Ilan University	Computer Science	M.Sc.	1995
1995-2005	Department of Computer Science, Bar-Ilan University	Computer Science	Ph.D.	2005

Title of Master's Thesis: Graphical representation and analysis of computer network protocols

Name of Supervisors: Dr. Frank, Dr. Zlotnikov

Title of Doctoral Dissertation: Efficient computations on networks

Names of Supervisors: Prof. Golumbic, Prof. Levit

B. ACADEMIC AND PROFESSIONAL EXPERIENCE**Academic:**

Period (dates)	Name of Institution (city, country)	Department	Rank/Function
1996; 1998	Bloomfield College of Business Administration, Tel-Aviv, Israel		Adjunct Lecturer
1999-2000	Hermelin College of Engineering, Netanaya, Israel	Computer Science	Adjunct Lecturer
2000	Ashkelon Regional College, Israel	Mathematics, Statistics and Computer Sciences	Teaching Assistant
1991-2002	Bar-Ilan University, Israel	Mathematics and Computer Science	Teaching Assistant
1/11/95-29/2/1996	Center for Technological Education Holon	Computerized Systems	Adjunct Lecturer
1/5-30/6/1996	Center for Technological Education Holon	Computerized Systems	Adjunct Lecturer
10/2000-present	Holon Institute of Technology, Israel	Faculty of Sciences/ School of Computer Science	
	Rank:		
10/2000-10/2005	Instructor (מורה משנה ב')		
10/2005-10/2009	Instructor-Dr.		
10/2009-30/9/2010	ש"ע מרצה		
1/10/2010-1/10/2016	Lecturer		
1/10.2016-9/1/2022	Senior Lecturer		
9/1/2022-present	Senior Lecturer with tenure		

Professional:

Period (dates)	Name of Institution (city, country)	Department	Rank/Function
1985-1990	Research and Development Institute of Technologies, Leningrad, USSR	Automation	Software Engineer - Programming of algorithms for automation of technological processes. Data base programming. Simulation of measuring devices.

B. ACADEMIC AND PROFESSIONAL EXPERIENCE, contd.**Professional:**

Period (dates)	Name of Institution (city, country)	Department	Rank/Function
1995-1996	IBM Israel Science and Technology, Haifa Research Laboratory, Haifa, Israel	VLSI	Software Engineer – Logic verification of hardware design
1996-2000	3Com Israel Ltd., Israel	Research & Development	Software Engineer – Simulation of flow control algorithms in distributed systems. Programming of algorithms for ATM applications. Automated verification of ATM switches.

D. PROFESSIONAL AND PUBLIC ACTIVITIES

Period (dates)	Name of Institution/Conference/ Journal/Exhibitions/Projects (city, country)	Occasion
2008	Proc. Graph Theory, Computational Intelligence and Thought (a conference celebrating Martin Charles Golumbic's 60th birthday), 19-25 September, Israel	Referee for paper: Properly coloured cycles and paths: Results and open problems
2015	Journal of Graph Labeling	Associate Editor
2016	Numerical Computations: Theory and Algorithms (NUMTA 2016), The 2nd International Conference and Summer School, Calabria, Italy, 19-25 June 2016	Referee for conference paper: Acceptance tail ziggurat algorithm for generating unimodal random variables
2019	ICT4SD - 4th International Conference on ICT for Sustainable Development co-located with World Publication & Conference Summit 2019, Goa, India, 5-6 July 2019	Participation in panel discussion
7/2022	Ariel University, Department of Computer Science, Israel	Judge: Proposal towards doctorate degree (integrated) for student Sachi Shavit
9/2022	Ariel University, The School of Graduate Studies, Israel	Reviewer of manuscript: Table methods in random variate generation
8/2023	HIT – Holon Institute of Technology, School of Computer Science, Holon, Israel	Examiner: M.Sc. thesis for student Shimon Aviram

E. ACADEMIC AND PROFESSIONAL AWARDS

Year	Name of Institution (city, country)	Occasion
2015-2016	HIT – Holon Institute of Technology, Holon, Israel	Award for excellence in academic activities
2019-2020	HIT – Holon Institute of Technology, Holon, Israel	Award for excellence in research, teaching and contribution to the institute and the community
2020-2021	HIT – Holon Institute of Technology, Holon, Israel	Award for excellence in research/creativity, teaching and contribution to the institute and the community
2021-2022	HIT – Holon Institute of Technology, Holon, Israel	Award for excellence in research, teaching and contribution to the institute and the community
2022-2023	HIT – Holon Institute of Technology, Holon, Israel	Award for excellence in research, teaching and contribution to the institute and the community

E1. RESEARCH GRANTS

Year	Name of Institution (city, country)	Occasion/Amount
NONE		

F. MEMBERSHIP IN PROFESSIONAL SOCIETIES

Year	Society (country)
NONE	

G. STUDENTS SUPERVISED BY CANDIDATE

HIT – Holon Institute of Technology does not currently have an accreditation for granting research theses (M.Sc.) or Dissertation (Ph.D.) degrees

G1. DOCTORAL STUDENTS

Year	Name of Student	Title of Thesis	Name of Academic Institution
NONE			

G2. M.A./M.Sc. STUDENTS (please indicate if degree is with "thesis" or "final project")

Year	Name of Student	Title of Thesis/Final Project	Name of Academic Institution
NONE			

Courses taught at academic institutions

<u>Year</u>	<u>Name of Course</u>	<u>Name of Institution</u>
1996; 1998	<ul style="list-style-type: none">• Operating Systems• Algorithms	Bloomfield College of Business Administration
1999-2000	<ul style="list-style-type: none">• Data Structures	Hermelin College of Engineering
1991-2002	<ul style="list-style-type: none">• Introduction to Computing• Data Structures• Algorithms• Advanced Algorithms	Bar-Ilan University
2000	<ul style="list-style-type: none">• Logical Programming	Ashkelon Regional College
1995-96 2000-present	<ul style="list-style-type: none">• Introduction to Computing• Introduction to Computer Science• Algorithms and Data Structures• Programming C• Personal Computer Laboratory• Advanced Programming Workshop• Design and Analysis of Algorithms*	Holon Institute of Technology (HIT)

From 2020/2021, this course will be replaced with Algorithms 2

PUBLICATIONS

Dr. Mark Korenblit has an h-index of 5 (Google scholar)

C. REFEREED ARTICLES (ranked either by WoS or SCImago)

(published)

- *1. **M. Korenblit**, V.E. Levit (2022)
On lengths of edge-labeled graph expressions
Discrete Applied Mathematics, 319, (583-594)
WoS: Q3; IF: 1.1 (2022)
SCImago: Q2; h-index 92
2. **M. Korenblit**, V.E. Levit (2020)
Some systems of simultaneous linear recurrences and their applications to computing of graph expression lengths
Special Volume of the J. of Combinatorial Mathematics and Combinatorial Computing (JCMCC), 114, (193-224)
Proc. MCCCC 32 – Midwest Conf. on Combinatorics and Combinatorial Computing
Duluth, Minnesota, USA, 5-7 October 2018
SCImago: Q4; h-index 18
3. **M. Korenblit**, V.E. Levit (2017)
Estimation of expressions' complexities for two-terminal directed acyclic graphs
Electronic Notes in Discrete Mathematics (ENDM), Elsevier B.V., 63, (109-116)
[also appeared in Book of Abstracts Int'l. Conf. on Current Trends in Graph Theory and Computation (CTGTC-2016), in memory of the Late Dr. B.D. Acharya, New Delhi, India, 17-19 September 2016]
SCImago: Q3; h-index 28; Scopus citations: 3
[Google scholar citations: 3]
4. **M. Korenblit** (2017)
On algebraic expressions of directed grid graphs
Electronic Notes in Discrete Mathematics
Elsevier B.V., 60, (39-46)
SCImago: Q3; h-index 28
5. **M. Korenblit** (2017)
Decomposition methods for generating algebraic expressions of full square rhomboids and other graphs
Discrete Applied Mathematics, 228, (60-72)
Special Issue: CALDAM 2015 (1st Int'l. Conf. on Algorithms and Discrete Applied Mathematics)
WoS: Q3; IF: 1.041; JCR citations: 3
SCImago: Q2; h-index 87; Scopus citations: 6
[Google scholar citations: 6]
6. **M. Korenblit** (2015)
A note on algebraic expressions of rhomboidal labeled graphs
Electronic Notes in Discrete Mathematics, Elsevier B.V., 48, (243-250)
SCImago: Q3; h-index 28; Scopus citation: 1
[Google scholar citation: 1]

*Since last promotion

C. Refereed articles (ranked either by WoS or SCImago), contd.

(published)

7. I. Levin, **M. Korenblit**, V. Talis (2013)
Study of social networks' dynamics by simulation within the NodeXL-Excel environment
Problems of Education in the 21st Century
Science, Technology, Society and Environment Education Issues
54, 2013 (125-137) [in Russian]
[ISSN 1822-7864]
SCImago: Q3; h-index 8
8. **M. Korenblit**, V.E. Levit (2011)
Mincuts in generalized Fibonacci graphs of degree 3
J. of Computational Methods in Sciences and Engineering
11(5,6) (271-280)
JCR citation: 1
SCImago: Q4; h-index 18; Scopus citation: 1
[Google scholar citations: 3]
9. **M. Korenblit**, V.E. Levit (2006)
Nested graphs
Electronic Notes in Discrete Mathematics, 24, Elsevier B.V., 2006 (93-99)
[also appeared in Book of Abstracts, 5th Cracow Conf. on Graph Theory "Ustroń 2006"
Ustroń, Poland, 11-15 September 2006]
SCImago: Q3; h-index 28; Scopus citation: 1
[Google scholar citations: 3]
10. **M. Korenblit**, V.E. Levit (2003)
On algebraic expressions of generalized Fibonacci graphs
WSEAS Trans. on Mathematics, 2(4), (324-329)
SCImago: Q4; h-index 21
[Google scholar citations: 4]
11. **M. Korenblit**, V.E. Levit (2003)
The uniform generalized decomposition method for generating
algebraic expressions of Fibonacci graphs
WSEAS Trans. on Mathematics, 2(1/2), (92-97)
[also appeared in Digest of the Proc. WSEAS Conferences, Aug., Sept., Oct. (6 pages)
and in Book of Abstracts, 4th WSEAS Int'l. Conf. on Applied Mathematics:
Differential Equations, Discrete Mathematics, Systems, Communications and Control,
New Dolmen Hotel, Malta, 1-3 Sept. 2003]
SCImago: Q4; h-index 21
[Google scholar citations: 2]
12. **M. Korenblit**, V.E. Levit (2003)
On a reliability polynomial of Fibonacci and some other graphs
WSEAS Trans. on Mathematics, 2(1/2), (43-47)
[also appeared in Digest of the Proc. WSEAS Confs., Aug., Sept., Oct. (5 pages)
and in Book of Abstracts, 4th WSEAS Int'l. Conf. on Applied Mathematics:
Differential Equations, Discrete Mathematics, Systems, Communications and Control,
New Dolmen Hotel, Malta, 1-3 Sept. 2003]
SCImago: Q4; h-index 21

C. Refereed articles (ranked either by WoS or SCImago), contd.

(published)

13. **M. Korenblit**, V.E. Levit (2002)
The st-Connectedness problem for a Fibonacci graph
WSEAS Trans. on Mathematics, 1(2), 2002 (89-93)
[also appeared in Proc. 3rd WSEAS Int'l. Conf. on Applied and Theoretical Mathematics (ADISC '2002)
Hotel Amber Baltic Miedzzydroje, Wolin Island, Poland, Sept. 2002 (1391-1395)]
SCImago: Q4; h-index 21
[Google scholar citations: 9]

C. REFEREED ARTICLES (non-ranked)

1. **M. Korenblit**, V.E. Levit (2015)
A conjecture on optimal representations of Fibonacci graph expressions
J. of Graph Labeling, 1(1), (31-40)
2. I. Levin, **M. Korenblit**, V. Talis (2014)
Developing students' awareness of network dynamics by spreadsheet environment
J. of Modern Education Review, 4(11), (950-962)
[Google scholar citation: 1]
3. **M. Korenblit**, V.E. Levit (2008)
Minimal cuts in two-terminal directed acyclic graphs
Congressus Numerantium, R.G. Stanton (ed.)
193, (67-87)
4. **M. Korenblit**, V.E. Levit (2003)
On sizes of mincuts in a Fibonacci graph
Int'l. J. of Computer Research, 12(2), (151-158)
[also appeared in Proc. 4th WSEAS Int'l. Conf. on Applied Mathematics and Computer
Science (AMCOS '2002), Rio de Janeiro, Brazil, Oct. 2002 (2261-2265)]
[Google scholar citation: 1]

E. PAPERS PRESENTED AT SCIENTIFIC MEETINGS PUBLISHED IN PROCEEDINGS

- *1. **M. Korenblit**, V.E. Levit (2025)
Application of max-plus algebra tools to scheduling of yet another production line
Proc. 3rd Int'l. Conf. on Computers in Natural Sciences, Biomedicine and
Engineering (COMCONF)
London, UK, 11-13 August 2025 (239-245)
- *2. **M. Korenblit** (2024)
Decomposition of topologically sorted grid graphs
Proc. 26th Japan Conf. on Discrete and Computational Geometry, Graphs, and
Games (JCDG³)
Tokyo, Japan, 10-12 September 2024 (106-107)

*Since last promotion

E. Papers presented at scientific meetings published in proceedings, contd.

3. **M. Korenblit**, V.E. Levit (2020)
On algebraic expressions of two-terminal directed acyclic graphs
M. Changat, S. Das (Eds.)
Algorithms and Discrete Applied Mathematics
Lecture Notes in Computer Science, 12016 (248-259)
Springer Nature Switzerland AG 2020
Proc. 6th Int'l. Conf. on Algorithms and Discrete Applied Mathematics (CALDAM 2020)
Hyderabad, India, 13-15 February 2020
4. **M. Korenblit**, V.E. Levit (2019)
Symbolic solutions of shortest-path problems and their applications
M. Tuba, S. Akashe, A. Joshi (Eds.)
ICT Systems and Sustainability
Advances in Intelligent Systems and Computing, 1077 (299-307)
Springer Nature Singapore Pte. Ltd. 2020
Proc. 4th Int'l. Conf. on ICT for Sustainable Development
co-located with World Publication & Conf. Summit 2019
Goa, India, 5-6 July 2019
SCImago: Q4; h-index: 48
5. **M. Korenblit** (2018)
Generating algebraic expressions for labeled grid graphs
Donghyun Kim, R.N. Uma, Alexander Zelikovskiy (Eds.)
Lecture Notes in Computer Science – LNCS 11346 Springer, (138-153)
12th Int'l. Conf. on Combinatorial Optimization and Applications (COCOA 2018)
Atlanta, Georgia, USA, 15-17 December 2018
[ISBN: 978-3-030-04650-7]
6. **M. Korenblit** (2018)
One-max constant-probability networks: Results and future work
Zvi Lotker, Boaz Patt-Shamir (Eds.)
Lecture Notes in Computer Science - LNCS 11085 Springer, (43-47)
25th Int'l. Colloq. on Structural Information and Communication
Complexity (SIROCCO 2018)
Ma'ale HaHamisha, Israel, 18-21 June 2018
[ISBN: 978-3-030-013240-0]
7. **M. Korenblit**, V.E. Levit (2017)
Graph expression complexities and simultaneous linear recurrences
Joint Procs. 18th Italian Conf. on Theoretical Computer Science and
32nd Italian Conf. on Computational Logic (ICTCS 2017 and CILC 2017)
CEUR Workshop Proc. CEUR-WS.org, 1949, (104-108)
Naples, Italy, 26-28 September 2017
8. **M. Korenblit** (2017)
A new approach to weakening and destruction of malicious internet networks
Obdulia Pichardo-Lagunas, Sabino Miranda-Jiménez (Eds.)
Lecture Notes in Artificial Intelligence, Subseries of Lecture Notes in Computer Science
Advances in Soft Computing, Springer, 10062, (460-469)
Proc., Part II, 15th Mexican Int'l. Conf. on Artificial Intelligence (MICAI 2016)
Cancún, Mexico, 23-29 October 2016
Scopus citation: 1
[Google scholar citation: 1]

E. Papers presented at scientific meetings published in proceedings, contd.

9. **M. Korenblit** (2015)
Algebraic expressions of rhomboidal graphs
Algorithms and Discrete Applied Mathematics
Sumit Ganguly, Ramesh Krishnamurti (Eds.)
Lecture Notes in Computer Science – LNCS, 8959, Springer, (193-204)
Proc. 1st Int'l. Conf. on Algorithms and Discrete Applied Mathematics (CALDAM 2015)
Kanpur, India, 8-10 February 2015 (193-204)
[ISBN: 978-3-319-14974-5]
10. **M. Korenblit**, V. Talis, I. Levin (2014)
One-max constant-probability models for complex networks
Complex Networks V
P. Contucci, R. Menezes, A. Omicini, J. Ponce-Casasnovas (Eds.)
Proc. 5th Workshop on Complex Networks CompleNet 2014
Springer, Studies in Computational Intelligence, 549, (181-188)
[ISBN: 978-3-319-05400-1]
(presented at 5th Workshop on Complex Networks, Bologna, Italy,
12-14 March 2014 [poster])
Scopus citations: 2
[Google scholar citations: 4]
11. **M. Korenblit**, V.E. Levit (2013)
A one-vertex decomposition algorithm for generating algebraic
expressions of square rhomboids
M. Fellows, X. Tan, B. Zhu (Eds.)
Lecture Notes in Computer Science - LNCS, 7924, Springer, (94-105)
Proc. Third Joint Int'l. Conf. (FAW-AAIM 2013): Frontiers in Algorithmics and
Algorithmic Aspects in Information and Management
Dalian, China, 26-28 June 2013
Scopus citations: 5
[Google scholar citations: 5]
12. **M. Korenblit** (2012)
Testing students' knowledge of C language using bonus questions
Proc. 2012 Int'l. Conf. on Frontiers in Education: Computer Science &
Computer Engineering (FECS 2012)
H.R. Arabnia, V.A. Clincy, L. Deligiannidis (Eds.), Vol.1 (328-333)
The 2012 World Congress in Computer Science, Computer Engineering,
and Applied Computing (WORLDCOMP'12)
Las Vegas, Nevada, USA, 16-19 July 2012
13. **M. Korenblit**, V.E. Levit (2011)
On the structure of maximum series-parallel graphs
T.E. Simos (Ed.), G. Psihoyios, Ch. Tsitouras, Z. Anastassi (Co-Eds.)
Int'l. Conf. on Numerical Analysis and Applied Mathematics (ICNAAM 2011)
American Institute of Physics Conf. Proc.
Halkidiki, Greece, 19-25 September 2011 (1932-1935)
JCR citation: 1
Scopus citation: 1
[Google scholar citation: 1]

E. Papers presented at scientific meetings published in proceedings, contd.

14. **M. Korenblit**, V.E. Levit (2010)
An improved full decomposition algorithm for generating algebraic expressions of square rhomboids
Z Majkic, S-Y Hsieh, J. Ma, I.M.M. El Emary, K.S. Husain (Eds.)
Proc. 2010 Int'l. Conf. on Theoretical and Mathematical Foundations of Computer Science (TMFCS-10)
Orlando, FL, USA, 12-14 July 2010 (31-38)
SCImago: h-index: 3; Scopus citations: 2
[Google scholar citations: 2]
15. **M. Korenblit**, V.E. Levit (2009)
Square rhomboids and their algebraic expressions
Zoran Majkic, R. Radha, Sun-Yuan Hsieh (Eds.)
Proc. Int'l. Conf. on Theoretical and Mathematical Foundations of Computer Science (TMFCS-09),
Orlando, USA, 13-16 July 2009 (110-117)
SCImago: h-index: 2; Scopus citations: 2
[Google scholar citations: 3]
16. **M. Korenblit**, V.E. Levit (2008)
A note on the recognition of nested graphs
Lecture Notes in Computer Science – LNCS 5420, Springer, 2009 (36-40)
Graph Theory, Computational Intelligence and Thought (a conference celebrating Martin Charles Golumbic's 60th birthday), 19-25 September 2008, Israel
[also appears in Book of Abstracts]
17. **M. Korenblit**, V.E. Levit (2008)
The decomposition method for generating graph expressions
Compression and Combinatorial Algorithms (CCA Workshop – 2008)
From Ashkelon to Haifa, Israel, 7-8 July 2008 (3 pages)
18. **M. Korenblit**, E. Shmerling (2006)
Algorithm and software for integration over a convex polyhedron
Nobuki Takayama, Andres Iglesias (Eds.)
Lecture Notes in Computer Science – LNCS 4151, Springer (273-283)
2nd Int'l. Congress on Mathematical Software – ICMS 2006
Castro Urdiales, Spain, 1-3 September 2006
JCR citations: 3
Scopus citations: 2
[Google scholar citations: 5]
19. **M. Korenblit**, V.E. Levit (2007)
On the number of mincuts in generalized Fibonacci graphs of degree 3
T.E. Simos, G. Psihoyios (Eds.)
Lectures Series on Computer and Computational Sciences, 8, (113-116)
Int'l. e-Conf. on Computer Science 2006 (IeCCs 2006), 1-8 July 2006
20. **M. Korenblit**, V.E. Levit (2003)
On algebraic expressions of series-parallel and Fibonacci graphs
Cristian S. Calude, Michael J. Dinneen, Vincent Vajnovszki (Eds.)
Lecture Notes in Computer Science – LNCS 2731 (215-224)
Proc. 4th Int'l. Conf. on Discrete Mathematics and Theoretical Computer Science (DMTCS 2003)
Springer, Dijon, France, July 2003
JCR citations: 14
Scopus citations: 25
[Google scholar citations: 38]

E. Papers presented at scientific meetings published in proceedings, contd.

21. Yu. Zlotnikov, **M. Korenblit**, S. Meltzin (1996)
Design and optimization of cell recovery protocol in an ATM virtual path
Proc. Int'l. Conf. on Informational Networks and Systems (ICINAS-96)
St. Petersburg, Russia, September 1996 (78-90)
22. **M. Korenblit**, Yu. Zlotnikov, V.E. Levit (1996)
Topological transformations in application to computer networks protocols
Proc. 4th Int'l. Conf. on Telecommunication Systems, Modeling and Analysis
Nashville, TN, USA, March 1996 (87-96)
23. Yu. Zlotnikov, **M. Korenblit**, S. Meltzin (1996)
Design and analysis of cell delivery protocol in ATM virtual paths
Proc. IASTED Int'l. Conf. Networks
Orlando, Florida, USA, January 1996 (147-150)
24. V.E. Levit, **M. Korenblit** (1996)
A symbolic approach to scheduling of robotics lines
In: Intelligent Scheduling of Robots and Flexible Manufacturing Systems
Proc. Int'l. Workshop held at the Holon Institute of Technology
Holon, Israel, 1996 (113-125)
[Google scholar citations: 7]
25. V.E. Levit, **M. Korenblit** (1995)
Symbolic PERT and its generalization
In: Intelligent Scheduling of Robots and Flexible Manufacturing Systems
Proc. Int'l. Workshop held at the Holon Institute of Technology
Holon, Israel, July 1995 (65-80)
26. Yu. Zlotnikov, **M. Korenblit** (1995)
Protocol for cell loss recovery in ATM virtual paths
Network + Interop 95 Engineer Conference Notes
Las Vegas, Nevada, USA, March 1995 (9 pages)
27. Yu. Zlotnikov, **M. Korenblit** (1994)
Redundant coding for detection of random errors and recovery of
lost cells in the virtual paths of ATM
Computing Week, IEEE Computer Society
Bar Ilan University, Israel, November 1994
28. Yu. Zlotnikov, **M. Korenblit** (1994)
Computer networks protocols simulation by means of stochastic networks
Network + Interop 94 Engineer Conference Notes
Las Vegas, Nevada, USA, May 1994 (9 pages)

F. PAPERS PRESENTED AT SCIENTIFIC MEETINGS (UNPUBLISHED)

- *2025 47th Australasian Combinatorics Conference (47ACC), Wellington, New Zealand,
1-5 December 2025
Oral presentation: *On the number of min-cuts in fractal grid graphs*
(M. Korenblit, V.E. Levit)
- *2025 10th Cracow Conference on Graph Theory, Cracow, Poland, 22-26 September 2025
Oral presentation: *Constructing algebraic expressions for lattice-structured digraphs*
(M. Korenblit)

*Since last promotion

F. Papers presented at scientific meetings (unpublished), contd.

- *2025 10th International Conference on Mathematics and Computers in Sciences and Industry (MCSI 2025), Rodos Island, Greece, 22-24 August 2025
Oral presentation: *Application of max-plus algebra tools to scheduling of yet another production line*
(M. Korenblit, V.E. Levit)
- *2025 International Conference on Discrete Applied Mathematics and Mathematical Programming (ICDAMMP-25), Jerusalem, Israel, 23-24 July 2025
Oral presentation: *On minimal cuts in ladder graphs*
(M. Korenblit, V.E. Levit)
- *2024 8th Macedonian Workshop on Graph Theory and Applied Mathematics, Ohrid, North Macedonia, 9-13 August 2024
Oral presentation: *Complexity of graph algebraic expressions: Recent findings*
(M. Korenblit, V.E. Levit)
- *2023 International Conference of the International Federation of Operational Research Societies, Santiago, Chile, 10-14 July 2023
Oral presentation: *Using network evolution laws to combat malicious internet networks through deliberate misrepresentations*
(M. Korenblit, E. Levner)
- *2023 11th International Colloquium on Graphs & Optimization, to honor Yves Crama and Myriam Preissmann, Spa, Belgium, 2-6 July 2023
Oral presentation: *Complexity of algebraic expressions motivated by graphs*
(M. Korenblit, V.E. Levit)
- 2021 The 22nd Conference of the International Federation of Operational Research Societies (IFORS 2021), Seoul, Korea, 22-27 August 2021 (virtual)
Oral presentation: *A symbolic approach to shortest-path problems using max-algebra tools*
(M. Korenblit, V.E. Levit)
- 2020 International Congress on Mathematical Software (ICMS 2020), Braunschweig, Germany, 13-16 July 2020 (virtual conference) Software Demos: Software Session E
Oral presentation: *Software for generating points uniformly in a convex polytope*
(E. Shmerling, M. Korenblit)
- 2018 The 32nd Midwest Conference on Combinatorics and Combinatorial Computing (MCCCC 32), Duluth, Minnesota, USA, 5-7 October 2018
Oral presentation: *Computing of graph expression lengths by means of simultaneous recurrences' solution*
(M. Korenblit, V.E. Levit)
- 2018 60th Midwestern Graph Theory Conference (MIGHTY LX), Fort Wayne, Indiana, USA, 28-29 September 2018
Oral presentation: *Structures and numbers of mincuts in two-terminal directed acyclic graphs*
(M. Korenblit, V.E. Levit)
- 2018 The 10th International Workshop on Graph Labeling (IWOGL 2018), Muncie, Indiana, USA, 26-28 September 2018
Oral presentation: *Generating expressions for a family of labeled grid graphs*
(M. Korenblit)
- 2016 International Conference on Current Trends in Graph Theory and Computation (CTGTC-2016), In memory of the late Dr. B.D. Acharya, New Delhi, India, 17-19 September 2016
- 2016 The 9th International Workshop on Graph Labeling (IWOGL 2016), Cracow, Poland, 7-9 July 2016
Oral presentation: *On algebraic expression of directed grid graphs*
(M. Korenblit)

*Since last promotion

F. Papers presented at scientific meetings (unpublished), contd.

- 2015 15th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, The Caesarea Rothschild Institute, University of Haifa, Haifa, Israel, 22-25 June 2015
Oral presentation: *Decomposition methods for generating expressions of square and full square rhomboids*
(M. Korenblit)
- 2014 Eighth International Workshop on Graph Labelings (IWOGL-2014), Kalasalingam University, Krishnankoil, Tamil Nadu, India, 3-6 December 2014
Oral presentation: *A note on algebraic expressions of rhomboidal labeled graphs*
(M. Korenblit)
- 2014 25th International Workshop on Combinatorial Algorithms (IWOCA 2014), Duluth, Minnesota, USA, 15-17 October 2014
Oral presentation: *On the minimum number of plus operators in expressions of series-parallel graphs and in read-once functions*
(M. Korenblit, V.E. Levit)
- 2014 20th Conference of the International Federation of Operational Research Societies (IFORS 2014), Barcelona, Spain, 13-18 July 2014
Oral presentation: *Studying of networks' dynamics by means of probabilistic modeling*
(M. Korenblit, I. Levin, V. Talis)
- 2010 10th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms – in memory of the late Uri Natan Peled, University of Haifa, Haifa, Israel, 23-25 May 2010
Oral presentation: *The decomposition methods for generating algebraic expressions of square rhomboids*
(M. Korenblit, V.E. Levit)
- 2009 20th International Workshop on Combinatorial Algorithms (IWOCA 2009), Hradec nad Moravicí, Czech Republic, 28 June-2 July 2009 [poster presentation]
- 2008 Thirty-Ninth Southeastern International Conference on Combinatorics, Graph Theory & Computing, Florida, USA, 3-7 March 2008
Oral presentation: *Minimal cuts in two-terminal directed acyclic graphs*
(M. Korenblit, V.E. Levit)
- 2007 6th Slovenian International Conference on Graph Theory Bled '07, Bled, Slovenia, 24-30 June 2007
Oral presentation: *Fibonacci graphs and their shortest expressions*
(M. Korenblit, V.E. Levit)
- 2007 7th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, Haifa, Israel, 14-16 May 2007
Oral presentation: *Mincuts in generalized Fibonacci graphs*
(M. Korenblit, V.E. Levit)
- 2006 5th Cracow Conference on Graph Theory "Ustroń 2006", Ustroń, Poland, 11-15 September 2006
- 2005 5th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, Haifa, Israel, 16-19 May 2005
Oral presentation: *On the complexity of St-dag expressions*
(M. Korenblit, V.E. Levit)
- 2004 4th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, Haifa, Israel, 3-5 May 2004
Oral presentation: *Mincuts in st-dags*
(M. Korenblit, V.E. Levit)
- 2003 3rd Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, Haifa, Israel, 27-29 May 2003
Oral presentation: *On the reliability polynomial of a Fibonacci graph*
(M. Korenblit, V.E. Levit)

H. OTHER PUBLICATIONS**H1. ABSTRACTS**

- *1. **M. Korenblit**, V.E. Levit (2025)
On the number of min-cuts in fractal grid graph
47th Australasian Combinatorics Conf. (47ACC)
Wellington, New Zealand, 1-5 December 2025
Book of Abstracts (p.41)
- *2. **M. Korenblit** (2025)
Constructing algebraic expressions for lattice-structured digraphs
10th Cracow Conf. on Graph Theory
Cracow, Poland, 22-26 September 2025 (p.138)
- *3. **M. Korenblit**, V.E. Levit (2025)
Application of max-plus algebra tools to scheduling of yet another production line
10th Int'l. Conf. on Mathematics and Computers in Sciences and Industry (MCSI 2025)
Rodos Island, Greece, 22-24 August 2025
- *4. **M. Korenblit**, V.E. Levit (2025)
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Programming (ICDAMMP-25)
Jerusalem, Israel, 23-24 July 2025
- *5. **M. Korenblit**, V.E. Levit (2024)
Complexity of graph algebraic expressions: Recent findings
8th Macedonian Workshop on Graph Theory and Applied Mathematics
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- *6. M. Korenblit, E. Levner (2023)
Using network evolution laws to combat malicious internet networks through
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- *7. M. Korenblit, V. Levit (2023)
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to honor Yves Crama and Myriam Preissmann
Spa, Belgium, 2-6 July 2023
8. M. Korenblit, V. Levit (2021)
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Seoul, Korea, 22-27 August 2021 (virtual conference)
9. E. Shmerling, M. Korenblit (2020)
Software for generating points uniformly in a convex polytope
Int'l. Congress on Mathematical Software (ICMS 2020)
Braunschweig, Germany, 13-16 July 2020 (virtual conference)
10. M. Korenblit, V.E. Levit (2018)
Computing of graph expression lengths by means of simultaneous recurrences' solution
The 32nd Midwest Conf. on Combinatorics and Combinatorial Computing (MCCC 32)
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H. Other publications, contd.**H1. Abstracts**

11. M. Korenblit, V.E. Levit (2018)
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60th Midwestern Graph Theory Conf. (MIGHTY LX)
Fort Wayne, Indiana, USA, 28-29 September 2018
12. M. Korenblit (2018)
Generating expressions for a family of labeled grid graphs
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Muncie, Indiana, USA, 26-28 September 2018
13. M. Korenblit (2016)
On algebraic expression of directed grid graphs
The 9th Int'l. Workshop on Graph Labeling (IWOGL 2016)
Cracow, Poland, 7-9 July 2016
14. M. Korenblit (2015)
Decomposition methods for generating expressions of square and full square rhomboids
15th Haifa Workshop on Interdisciplinary Applications of Graph Theory, Combinatorics and Algorithms, The Caesarea Rothschild Institute, University of Haifa, Haifa, Israel, 22-25 June 2015
Book of Abstracts (19-20)
15. M. Korenblit (2014)
A note on algebraic expressions of rhomboidal labeled graphs
Eighth Int'l. Workshop on Graph Labelings (IWOGL-2014)
Kalasalingam University, Krishnankoil, Tamil Nadu, India
3-6 December 2014 (page 41)
16. M. Korenblit, V.E. Levit (2014)
On the minimum number of plus operators in expressions of series-parallel graphs and in read-once functions
25th Int'l. Workshop on Combinatorial Algorithms (IWOCOA 2014)
Duluth, Minnesota, USA, 15-17 October 2014 [open problem session]
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20th Conf. of the Int'l. Federation of Operational Research Societies (IFORS 2014)
Barcelona, Spain, 13-18 July 2014 (page 185)
18. M. Korenblit, V.E. Levit (2010)
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University of Haifa, Haifa, Israel, 23-25 May 2010 (page 4)
19. M. Korenblit, V.E. Levit (2008)
Minimal cuts in two-terminal directed acyclic graphs
Thirty-Ninth Southeastern Int'l. Conf. on Combinatorics, Graph Theory & Computing - Book of Abstracts
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H. Other publications, contd.

H1. Abstracts

20. M. Korenblit, V.E. Levit (2007)
Fibonacci graphs and their shortest expressions
6th Slovenian Int'l. Conf. on Graph Theory Bled '07
Bled, Slovenia, 24-30 June 2007
21. M. Korenblit, V.E. Levit (2007)
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7th Haifa Workshop on Interdisciplinary Applications of Graph Theory,
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The Caesarea Edmond Benjamin de Rothschild Foundation
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Haifa, Israel, 14-16 May 2007
22. M. Korenblit, V.E. Levit (2005)
On the complexity of St-dag expressions
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The Caesarea Edmond Benjamin de Rothschild Foundation
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Haifa, Israel, 16-19 May 2005
23. M. Korenblit, V.E. Levit (2004)
Mincuts in st-dags
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Combinatorics and Algorithms
The Caesarea Edmond Benjamin de Rothschild Foundation
Institute for Interdisciplinary Applications of Computer Science
University of Haifa, Haifa, Israel, 3-5 May 2004
24. M. Korenblit, V.E. Levit (2003)
On the reliability polynomial of a Fibonacci graph
3rd Haifa Workshop on Interdisciplinary Applications of Graph Theory,
Combinatorics and Algorithms
The Caesarea Edmond Benjamin de Rothschild Foundation
Institute for Interdisciplinary Applications of Computer Science
University of Haifa, Haifa, Israel, 27-29 May 2003