

Dexter Campbell Kozen

April 2, 2018

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Birthdate

December 20, 1951

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Citizenship

USA

Family status

Married (Frances),
three children

Education

6/74 BA summa cum laude, Mathematics, Dartmouth College
5/77 MS, PhD, Computer Science, Cornell University

Employment

Kiewit Computation Center, Dartmouth College
1/71–7/74 Systems Programmer
Digicomp Research, Ithaca, NY
6/76–5/77 Consultant
University of California, Berkeley
9/77–9/78 Postdoctoral Fellow
IBM Research, Yorktown Heights, NY
9/78–9/81 Research Staff Member
9/82–9/85 Research Staff Member
9/82–8/85 Manager, Theory of Computation Project
Aarhus University, Denmark
9/81–9/82 Visiting Professor, Computer Science
9/91–9/92 Visiting Professor, Computer Science
Columbia University
1/84–8/85 Adjunct Professor, Computer Science
Cornell University
8/85–12/88 Associate Professor, Computer Science
1/89–10/94 Professor, Computer Science
11/94– Joseph Newton Pew, Jr. Professor in Engineering

Awards and Honors

- 6/74 John G. Kemeny Prize in Computing, Dartmouth College
- 9/74 Sage Graduate Fellowship, Cornell University
- 5/80 Outstanding Innovation Award, IBM Corporation
- 7/91 Fellow-in-Service, Cornell University
- 8/91 Fellow, John Simon Guggenheim Foundation
- 1/93 Prize “Nagrode” for paper [22], Polish Ministry of Education
- 4/94 Faculty of the Year, Association of Computer Science Undergraduates, Cornell
- 3/00 Class of 1960 Scholar, Williams College
- 4/01 Stephen and Margery Russell Distinguished Teaching Award, College of Arts and Sciences, Cornell
- 12/01 Prize “Nagrode” for book [203], Polish Ministry of Education
- 11/03 Fellow, ACM
- 11/08 Fellow, AAAS
- 12/08 Michael Tien ’72 Excellence in Teaching Award, College of Engineering, Cornell
- 6/11 LICS Test-of-Time Award for paper [96]
- 6/13 Faculty of the Year, Association of Computer Science Undergraduates, Cornell
- 8/13 Daniel M. Lazar ’29 Excellence in Teaching Award, College of Engineering, Cornell
- 1/15 Fellow, EATCS
- 2/16 EATCS Award, European Association for Theoretical Computer Science
- 5/16 W. Wallace McDowell Award, IEEE Computer Society

Invited Conference Presentations

- 9/79 Second Symp. Fund. Comput. Theory, Berlin [74]
- 8/90 Math. Found. Comput. Sci., Banska-Bystrica, Slovakia [95]
- 6/92 Symp. on Logical Methods, Ithaca, New York [25]
- 9/93 Second Symp. Europ. Assoc. Comput. Sci. Logic (EACSL), Swansea [104]
- 9/94 First Symp. Constraints in Computational Logics, Munich [105]
- 12/94 Foundations Software Technology and Theor. Comput. Sci., Madras [107]
- 4/95 Fifth Int. Conf. Theory and Practice Software Development (TAPSOFT), Aarhus [109]
- 3/96 Second Int. Workshop Tools and Algorithms for the Construction and Analysis of Systems (TACAS’96), Passau [108]
- 1/98 Amer. Math. Soc. Joint Mathematics Meetings
- 8/99 11th Int. Congress of Logic, Methodology and Philosophy of Science, Krakow, Poland [45]
- 9/99 Math. Found. Comput. Sci., Szklarska Poręba, Poland [117]
- 1/00 5th Conf. Relational Methods in Computer Science (RelMiCS), Quebec, Canada [119]
- 2/01 18th Int. Symp. Theor. Aspects of Comp. Sci. (STACS), Dresden, Germany [121]
- 7/01 8th Workshop on Logic, Language, Information and Computation (WoLLIC), Brasilia, Brazil [47]
- 3/02 Workshop on Weighted Automata (WATA’02), Dresden, Germany
- 3/02 Clifford Lectures, Tulane University, New Orleans
- 7/02 Conf. Mathematics of Program Construction (MPC’02), Dagstuhl, Germany [125]

- 7/02 Workshop on Fixed Points in Computer Science (FICS'02), Copenhagen [124]
- 9/02 7th Int. Symp. Formal Techniques in Real-Time and Fault Tolerant Systems (FTRTFT'02), Oldenburg, Germany [123]
- 9/03 10th Int. Conf. Logic for Programming, Artificial Intelligence and Reasoning (LPAR'03), Almaty, Kazakhstan
- 1/04 Workshop on Logic and Computation, Nelson, NZ
- 4/04 Latin American Theoretical INformatics (LATIN'04), Buenos Aires
- 8/06 Math. Found. Comput. Sci., High Tatras, Slovakia
- 3/08 Workshop on Modal Fixpoint Logics, Amsterdam
- 4/08 9th Int. Workshop Coalgebraic Methods in Computer Science (Keynote), Budapest
- 6/08 23rd Symp. Logic in Computer Science, Pittsburgh
- 9/08 British Logic Colloquium, Nottingham, UK
- 1/11 Australian Computer Science Week (Keynote), Perth, Australia
- 1/11 28th Conf. Math. Found. Programming Semantics (MFPS XXVIII), Dubrovnik, Croatia [142]
- 7/12 14th Int. Workshop Descriptive Complexity of Formal Systems (DCFS'12) (Keynote), Braga, Portugal [59]
- 6/14 Math. Found. Programming Semantics (MFPS XXX), Ithaca, New York
- 11/14 Asian Symposium on Programming Language and Systems (APLAS'14) (Keynote), Singapore
- 5/15 10th Alpine Verification Meeting (AVM), Attersee, Austria
- 4/17 Theory Day, Reykjavik, Iceland
- 5/17 Summer School on Probabilistic Programming, Braga, Portugal
- 6/17 Math. Found Programming Semantics, Ljubljana, Slovenia
- 6/17 Infinity Workshop, Reykjavik, Iceland
- 9/17 Tbilisi Symposium on Language, Logic and Computation, Tbilisi, Georgia
- 7/18 Coalgebra Now Workshop, Oxford, UK

Professional Activities

Program Committees

- IEEE Symp. Foundations of Computer Science, 1981, 1983, 1984, 1988 (chair), 1993, 1996
- Symp. on Fundamentals of Computation Theory, 1983, 1985, 1987
- Workshop on Logics of Programs, 1981, 1983, 1985
- IEEE Symp. Logic in Computer Science, 1986, 1989, 1994, 1995 (chair), 2007, 2015
- ACM Symp. Principles of Programming Languages, 1986, 2017
- ACM Symp. Theory of Computing, 1987, 1990
- IEEE Symp. Structure in Complexity Theory, 1990
- Int. Colloq. Automata, Languages, and Programming (ICALP), 1992
- Fourth Int. Conf. Theory and Practice of Software Development (TAPSOFT), April 1993
- Principles and Practice of Constraint Programming, April 1993
- Symp. on Quantifier Elimination and Cylindrical Algebraic Decomposition
in Honor of George Collins, October 1993
- Scandinavian Workshop on Algorithm Theory, 1994

- Workshop on Fixpoints in Computer Science, 1998, 2013
- Foundations of Software Science and Computation Structure, 1999, 2000
- Math. Foundations of Computer Science (MFCS), 2000, 2004, 2017
- Workshop on Logic, Language, Information and Computation (WoLLIC), 2003, 2017
- Int. Conf. Mathematics of Program Construction (MPC), 2002, 2004 (chair), 2006
- Int. Sem. Relational Methods in Computer Science (RAMiCS), 2003, 2017, 2018
- Int. Workshop Applications of Kleene Algebra, 2003
- Computing: the Australasian Theory Symposium (CATS), 2012
- Mathematical Foundations of Programming Semantics (MFPS), 2013 (chair), 2014
- Dynamic Logic: New Trends and Applications (DaLi), 2017
- Int. Conf. Logic for Programming, Artificial Intelligence and Reasoning (LPAR), 2015, 2017
- Tbilisi Symposium on Language, Logic and Computation (TbiLLC), 2015
- Int. Symp. Theoretical Aspects of Software Engineering (TASE), 2016
- Conf. Algebra and Coalgebra in Computer Science (CALCO), 2015
- Organizing Committees
 - IEEE Symp. on Logic in Computer Science, 1986–1992, 1994–1999
 - Workshop on Logics of Programs, 1981, 1983, 1985
 - Dagstuhl Workshop on Algebraic Complexity and Parallelism, July 1992
 - Symposium in honor of Juris Harmanis and Richard Stearns, March 1994
 - Dagstuhl Seminar on Tree Automata, October 1997
 - Dagstuhl Seminar on Applications of Kleene Algebra, February 2001
 - Logics for System Analysis, July 2010
- Local Arrangements
 - Workshop on Logics of Programs, 1981
 - IEEE Symp. on Logic in Computer Science, 1987
 - IEEE Symp. on Structure in Complexity Theory, 1987
 - Mathematical Foundations of Programming Semantics, 2014
- Editorial Boards
 - Information and Control, 1984–1986
 - Annals of Pure and Applied Logic, 1987 (special issue)
 - J. Comput. Syst. Sci., 1988 (special issue)
 - J. Algorithms, 1988 (special issue)
 - Info. and Computation, 2000 (special issue)
 - SIAM J. Comput., 1989–1994
 - J. Relational Methods in Computer Science, 2000–
 - Theory of Computing Systems, 2001–
- Advisory Boards
 - Centre for Basic Research in Computer Science (BRICS), Aarhus University
 - ACM/IEEE Symp. Logic in Computer Science, 1999–
 - ACM SIGLOG advisory board, 2014
- Other Committees
 - Taulbee survey, Computing Research Assoc., 1997, chair 1998

Gödel prize committee, ACM, 2000–2003, chair 2003
Logic in Computer Science Test-of-Time award committee, chair, 2014

PhD Theses Supervised

1. Bradley T. Vander Zanden. *Incremental Constraint Satisfaction and its Application to Graphical Interfaces*. PhD thesis, Cornell University, August 1988.
2. Matthew T. Dickerson. *The Functional Decomposition of Polynomials*. PhD thesis, Cornell University, May 1989.
3. Douglas J. Ierardi. *The Complexity of Quantifier Elimination in the Theory of an Algebraically Closed Field*. PhD thesis, Cornell University, May 1989.
4. Mark B. Novick. *Parallel Algorithms for Intersection Graphs*. PhD thesis, Cornell University, May 1990.
5. Nils Klarlund. *Progress Measures and Finite Arguments for Infinite Computations*. PhD thesis, Cornell University, August 1990.
6. Devdatt Dubhashi. *Algorithmic Investigations in p -adic Fields*. PhD thesis, Cornell University, August 1992.
7. Eugene Ressler. *ALEX—A Paradigm for the Expression and Compilation of Matrix Functions*. PhD thesis, Cornell University, May 1993.
8. Kjartan Stefánsson. *Newtonian Graphs, Riemann Surfaces, and Computation*. PhD thesis, Cornell University, May 1995.
9. David Pearson. *Parallel Computing as a Commodity*. PhD thesis, Cornell University, December 1997.
10. Agnes Szanto. *Computation with Polynomial Systems*. PhD thesis, Cornell University, August 1998.
11. Arthur Neal Glew. *Low-Level Type Systems for Modularity and Object-Oriented Features*. PhD thesis, Cornell University, January 2000.
12. Sarah A. Spence. *Subspace Subcodes and Generalized Coset Codes*. PhD thesis, Cornell University, May 2002.
13. Hubert Chen. *The Computational Complexity of Quantified Constraint Satisfaction*. PhD thesis, Cornell University, August 2004.
14. Christopher Hardin. *The Horn Theory of Relational Kleene Algebra*. PhD thesis, Cornell University, May 2005.

15. Kamal Aboul-Hosn. *A Proof-Theoretic Approach to Mathematical Knowledge Management*. PhD thesis, Cornell University, December 2006.
16. Alexa Sharp. *Incremental Algorithms: Solving Problems in a Changing World*. PhD thesis, Cornell University, May 2007.
17. Jeffrey Hartline. *Incremental Optimization*. PhD thesis, Cornell University, August 2007.
18. James Michael Worthington. *Automata, Representations, and Proofs*. PhD thesis, Cornell University, August 2009.
19. Nikolaos Karampatziakis. *Online Learning Algorithms for Sequence Prediction, Importance-Weighted Classification, and Active Learning*. PhD thesis, Cornell University, May 2012.
20. Jean-Baptiste Jeannin. *Capsules and Non-Well-Founded Computation*. PhD thesis, Cornell University, August 2013.
21. Konstantinos Mamouras. *Extensions of Kleene Algebra for Program Verification*. PhD thesis, Cornell University, August 2015.

Dexter Campbell Kozen

Publications

April 2, 2018

Journal Articles

1. Dexter Kozen. A clique problem equivalent to graph isomorphism. *SIGACT News*, 10(2):50–52, June 1978.
2. Dexter Kozen. Complexity of Boolean algebras. *Theor. Comput. Sci.*, 10:221–247, 1980.
3. Dexter Kozen. Indexings of subrecursive classes. *Theor. Comput. Sci.*, 11:277–301, 1980.
4. Ashok Chandra, Dexter Kozen, and Larry Stockmeyer. Alternation. *J. Assoc. Comput. Mach.*, 28(1):114–133, 1981.
5. Dexter Kozen. Positive first-order logic is *NP*-complete. *IBM J. Res. Develop.*, 25(4):327–332, July 1981.
6. Dexter Kozen. Semantics of probabilistic programs. *J. Comput. Syst. Sci.*, 22(3):328–350, June 1981. doi:10.1016/0022-0000(81)90036-2.
7. Dexter Kozen and Rohit Parikh. An elementary proof of the completeness of *PDL*. *Theor. Comput. Sci.*, 14(1):113–118, 1981.
8. David Harel, Dexter Kozen, and Rohit Parikh. Process logic: Expressiveness, decidability, completeness. *J. Comput. Syst. Sci.*, 25(2):144–170, 1982.
9. Dexter Kozen. Results on the propositional μ -calculus. *Theor. Comput. Sci.*, 27:333–354, 1983.
10. Dexter Kozen. A Ramsey theorem with infinitely many colors. In Lenstra, Lenstra, and van Emde Boas, editors, *Dopo Le Parole*, pages 71–72. University of Amsterdam, Amsterdam, May 1984.
11. David Harel and Dexter Kozen. A programming language for the inductive sets, and applications. *Information and Control*, 63(1–2):118–139, 1984.
12. Dexter Kozen. A probabilistic *PDL*. *J. Comput. Syst. Sci.*, 30(2):162–178, April 1985.
13. Andreas Blass, Yuri Gurevich, and Dexter Kozen. A zero-one law for logic with a fixed-point operator. *Information and Control*, 67(1-3):70–90, 1985.
14. Michael Ben-Or, Dexter Kozen, and John Reif. The complexity of elementary algebra and geometry. *J. Comput. Syst. Sci.*, 32(2):251–264, 1986.

15. Krzysztof Apt and Dexter Kozen. Limits for automatic verification of finite-state concurrent systems. *Information Processing Letters*, 22:307–309, 1986.
16. Dexter Kozen. Fast parallel orthogonalization. *SIGACT News*, 18(2):47, Fall 1986.
17. Dexter Kozen. A finite model theorem for the propositional μ -calculus. *Studia Logica*, 47(3):233–241, 1988.
18. Michael Ben-Or, Ephraim Feig, Dexter Kozen, and Prason Tiwari. Fast parallel algorithms for finding the roots of a polynomial with all real roots. *SIAM J. Comput.*, 17(6):1081–1092, 1988. doi:10.1137/0217069.
19. Dexter Kozen and Susan Landau. Polynomial decomposition algorithms. *J. Symb. Comput.*, 7:445–456, 1989.
20. Neil Immerman and Dexter Kozen. Definability with bounded number of bound variables. *Infor. and Comp.*, 83(2):121–139, November 1989.
21. Wilfred Chen, John Field, Dexter Kozen, William Pugh, Tim Teitelbaum, and Brad Vander Zanden. ALEX—an alexical programming language. In Ichikawa, Jungert, and Korfhage, editors, *Visual Languages and Applications*, pages 147–158. Plenum Press, 1990.
22. Dexter Kozen and Jerzy Tiuryn. Logics of programs. In J. van Leeuwen, editor, *Handbook of Theoretical Computer Science*, volume B, pages 789–840. North Holland, Amsterdam, 1990.
23. Dexter Kozen. On action algebras. In J. van Eijck and A. Visser, editors, *Logic and Information Flow*, pages 78–88. MIT Press, 1994.
24. Dexter Kozen. On the Myhill-Nerode theorem for trees. *Bull. Europ. Assoc. Theor. Comput. Sci.*, 47:170–173, June 1992.
25. Dexter Kozen. Partial automata and finitely generated congruences: An extension of Nerode’s theorem. In J. N. Crossley, J. B. Remmel, R. A. Shore, and M. E. Sweedler, editors, *Logical Methods: In Honor of Anil Nerode’s Sixtieth Birthday*, pages 490–511. Birkhäuser, Ithaca, New York, 1993.
26. Doug Ierardi and Dexter Kozen. Parallel resultant computation. In J. Reif, editor, *Synthesis of Parallel Algorithms*, pages 679–720. Morgan Kaufmann, 1993.
27. Dexter Kozen and Shmuel Zaks. Optimal bounds for the change-making problem. *Theor. Comput. Sci.*, 123:377–388, 1994.
28. Dexter Kozen. A completeness theorem for Kleene algebras and the algebra of regular events. *Infor. and Comput.*, 110(2):366–390, May 1994.

29. Dexter Kozen, Jens Palsberg, and Michael I. Schwartzbach. Efficient inference of partial types. *J. Comput. Syst. Sci.*, 49(2):306–324, October 1994.
30. Alexander Aiken, Dexter Kozen, and Edward Wimmers. Decidability of systems of set constraints with negative constraints. *Infor. and Comput.*, 122(1):30–44, October 1995.
31. Dexter Kozen, Jens Palsberg, and Michael I. Schwartzbach. Efficient recursive subtyping. *Mathematical Structures in Computer Science*, 5:113–125, 1995.
32. Dexter Kozen, Susan Landau, and Richard Zippel. Decomposition of algebraic functions. *Journal of Symbolic Computation*, 22(3):235–246, September 1996.
33. Nils Klarlund and Dexter Kozen. Rabin measures. *Chicago Journal of Theoretical Computer Science*, 1995(3), September 1995.
34. Dexter Kozen. On regularity-preserving functions. *Bull. Europ. Assoc. Theor. Comput. Sci.*, 58:131–138, February 1996.
35. Dexter Kozen. Rational spaces and set constraints. *Theoretical Computer Science*, 167:73–94, 1996.
36. Dexter Kozen and Kjartan Stefansson. Computing the Newtonian graph. *Journal of Symbolic Computation*, 24:125–136, 1997.
37. Dexter Kozen. Kleene algebra with tests. *ACM Trans. Programming Languages and Systems (TOPLAS)*, 19(3):427–443, May 1997. doi:10.1145/256167.256195.
38. Dexter Kozen. Set constraints and logic programming. *Information and Computation*, 142(1):2–25, April 1998.
39. Dexter Kozen. On Hoare logic and Kleene algebra with tests. *Trans. Computational Logic*, 1(1):60–76, July 2000.
40. Ernie Cohen and Dexter Kozen. A note on the complexity of propositional Hoare logic. *Trans. Computational Logic*, 1(1):171–174, July 2000.
41. Dexter Kozen and Jerzy Tiuryn. On the completeness of propositional Hoare logic. *Information Sciences*, 139(3–4):187–195, 2001.
42. David Harel, Dexter Kozen, and Jerzy Tiuryn. Dynamic logic. In D. M. Gabbay and F. Guenther, editors, *Handbook of Philosophical Logic*, volume 4, pages 99–217. Kluwer, 2nd edition, 2002.
43. Dexter Kozen. On the complexity of reasoning in Kleene algebra. *Information and Computation*, 179:152–162, 2002.
44. Robert Givan, David McAllester, Carl Witty, and Dexter Kozen. Tarskian set constraints. *Information and Computation*, 174(2):105–131, May 2002.

45. Dexter Kozen. On Hoare logic, Kleene algebra, and types. In P. Gärdenfors, J. Woleński, and K. Kijania-Placek, editors, *In the Scope of Logic, Methodology, and Philosophy of Science: Volume 1 of the 11th Int. Congress Logic, Methodology and Philosophy of Science, Cracow, August 1999*, volume 315 of *Studies in Epistemology, Logic, Methodology, and Philosophy of Science*, pages 119–133. Kluwer, 2002.
46. Dexter Kozen and Jerzy Tiuryn. Substructural logic and partial correctness. *Trans. Computational Logic*, 4(3):355–378, July 2003.
47. Dexter Kozen. Automata on guarded strings and applications. *Matématica Contemporânea*, 24:117–139, 2003.
48. Dexter Kozen. Computational inductive definability. *Annals of Pure and Applied Logic*, 126(1–3):139–148, April 2004. Special issue: *Provinces of logic determined. Essays in the memory of Alfred Tarski*. Zofia Adamowicz, Sergei Artemov, Damian Niwinski, Ewa Orłowska, Anna Romanowska, and Jan Wolenski (eds.). doi:10.1016/j.apal.2003.10.013.
49. Dexter Kozen. Some results in dynamic model theory. *Science of Computer Programming*, 51(1–2):3–22, May 2004. Special issue: *Mathematics of Program Construction (MPC 2002)*. Eerke Boiten and Bernhard Möller (eds.). doi:10.1016/j.scico.2003.09.004.
50. Lucja Kot and Dexter Kozen. Kleene algebra and bytecode verification. *Electronic Notes in Theoretical Computer Science*, 141(1):221–236, December 2005.
51. Kamal Aboul-Hosn and Dexter Kozen. KAT-ML: An interactive theorem prover for Kleene algebra with tests. *Journal of Applied Non-Classical Logics*, 16(1–2):9–33, 2006.
52. Dexter Kozen and Nicholas Ruoizzi. Applications of metric coinduction. *Logical Methods in Computer Science*, 5(3), September 2009. doi:10.2168/LMCS-5(3:10)2009.
53. Dexter Kozen. Coinductive proof principles for stochastic processes. *Logical Methods in Computer Science*, 3(4:8), 2007. doi:10.2168/LMCS-3(4:8)2007.
54. Kamal Aboul-Hosn and Dexter Kozen. Local variable scoping and Kleene algebra with tests. *J. Log. Algebr. Program.*, 2007. doi:10.1016/j.jlap.2007.10.007.
55. Fred B. Schneider, Dexter Kozen, Greg Morrisett, and Andrew C. Myers. Language-based security for malicious mobile code. In *Department of Defense Sponsored Information Security Research: New Methods for Protecting Against Cyber Threats*, pages 477–494. Wiley, 2007.
56. Dexter Kozen. Church-Rosser made easy. *Fundamenta Informaticae*, 103:129–136, 2010.

57. Dexter Kozen. Halting and equivalence of program schemes in models of arbitrary theories. In Andreas Blass, Nachum Dershowitz, and Wolfgang Reisig, editors, *Fields of Logic and Computation: Essays Dedicated to Yuri Gurevich on the Occasion of His 70th Birthday*, volume 6300 of *Lecture Notes in Computer Science*, pages 463–469. Springer–Verlag, August 2010.
58. Dexter Kozen and Ganesh Ramanarayanan. Publication/citation: A proof-theoretic approach to mathematical knowledge management. In Johan van Benthem, Amitabha Gupta, and Eric Pacuit, editors, *Games, Norms, and Reasons: Logic at the Crossroads*, volume 353 of *Synthese Library*, pages 151–161. Dordrecht, Springer Science and Business Media, 2011.
59. Jean-Baptiste Jeannin and Dexter Kozen. Computing with capsules. *J. Automata, Languages and Combinatorics*, 17(2–4):185–204, 2012.
60. Dexter Kozen and Alexandra Silva. On Moessner’s theorem. *The American Mathematical Monthly*, 120(2):131–139, February 2013.
61. Henk Barendregt, Venanzio Capretta, and Dexter Kozen. Reflection in the Chomsky hierarchy. *J. Automata, Languages and Combinatorics*, 18(1):53–60, 2013.
62. Dexter Kozen. Optimal coin flipping. In F. van Breugel et al., editor, *Panangaden Festschrift*, volume 8464 of *Lecture Notes in Computer Science*, pages 407–426. Springer, May 2014.
63. Dexter Kozen and Alexandra Silva. Practical coinduction. *Mathematical Structures in Computer Science*, FirstView:1–21, February 2016. doi:10.1017/S0960129515000493.
64. Jean-Baptiste Jeannin, Dexter Kozen, and Alexandra Silva. Well-founded coalgebras, revisited. *Mathematical Structures in Computer Science*, FirstView:1–21, February 2016. doi:10.1017/S0960129515000481.
65. Niels Bjørn Bugge Grathwohl, Fritz Henglein, and Dexter Kozen. Infinitary axiomatization of the equational theory of context-free languages. *Fundamenta Informaticae*, 150:241–257, 2017. doi:10.3233/FI-2017-1469.
66. Jean-Baptiste Jeannin, Dexter Kozen, and Alexandra Silva. CoCaml: Functional programming with regular coinductive types. *Fundamenta Informaticae*, 150:347–377, 2017. doi:10.3233/FI-2017-1473.
67. Dexter Kozen. On the coalgebraic theory of Kleene algebra with tests. In Can Başkent, Lawrence S. Moss, and Ramaswamy Ramanujam, editors, *Rohit Parikh on Logic, Language and Society*, volume 11 of *Outstanding Contributions to Logic*, pages 279–298. Springer, March 2017.

68. Dexter Kozen, Konstantinos Mamouras, and Alexandra Silva. Completeness and incompleteness in nominal Kleene algebra. *J. Logical and Algebraic Methods in Programming*, 91:17–32, 2017. doi:10.1016/j.jlamp.2017.06.002.

Conference Papers

69. Dexter Kozen. On parallelism in Turing machines. In *Proc. 17th Symp. Found. Comput. Sci.*, pages 89–97. IEEE, October 1976.
70. Dexter Kozen. Complexity of finitely presented algebras. In *Proc. 9th Symp. Theory of Comput.*, pages 164–177. ACM, May 1977.
71. Dexter Kozen. Lower bounds for natural proof systems. In *Proc. 18th Symp. Found. Comput. Sci.*, pages 254–266. IEEE, October 1977.
72. Manuel Blum and Dexter Kozen. On the power of the compass. In *Proc. 19th Symp. Found. Comput. Sci.*, pages 132–142. IEEE, October 1978.
73. Dexter Kozen. Indexings of subrecursive classes. In *Proc. 10th Symp. Theory of Comput.*, pages 287–295. ACM, May 1978.
74. Dexter Kozen. Automata and planar graphs. In *Proc. 2nd Symp. Fund. Comput. Theory*, pages 243–254, Berlin, September 1979.
75. Dexter Kozen. Semantics of probabilistic programs. In *Proc. 20th Symp. Found. Comput. Sci.*, pages 101–114. IEEE, October 1979.
76. Dexter Kozen. On the duality of dynamic algebras and Kripke models. In E. Engeler, editor, *Proc. Workshop on Logic of Programs*, volume 125 of *Lecture Notes in Computer Science*, pages 1–11. Springer-Verlag, 1979.
77. Dexter Kozen. Dynamic algebra. In E. Engeler, editor, *Proc. Workshop on Logic of Programs*, volume 125 of *Lecture Notes in Computer Science*, pages 102–144. Springer-Verlag, 1979. chapter of *Propositional dynamic logics of programs: A survey* by Rohit Parikh.
78. Dexter Kozen. A representation theorem for models of *-free PDL. In *Proc. 7th Colloq. Automata, Languages, and Programming*, pages 351–362. EATCS, July 1980.
79. David Harel, Dexter Kozen, and Rohit Parikh. Process logic: Expressiveness, decidability, completeness. In *Proc. 21st Symp. Found. Comput. Sci.*, pages 129–142. IEEE, October 1980.
80. Dexter Kozen. On induction vs. *-continuity. In Kozen, editor, *Proc. Workshop on Logic of Programs*, volume 131 of *Lecture Notes in Computer Science*, pages 167–176, New York, 1981. Springer-Verlag.

81. Dexter Kozen. Results on the propositional μ -calculus. In *Proc. 9th Int. Colloq. Automata, Languages, and Programming*, pages 348–359, Aarhus, Denmark, July 1982. EATCS.
82. David Harel and Dexter Kozen. A programming language for the inductive sets, and applications. In *Proc. 9th Int. Colloq. Automata, Languages, and Programming*, pages 313–329, Aarhus, Denmark, July 1982. EATCS.
83. Dexter Kozen and Rohit Parikh. A decision procedure for the propositional μ -calculus. In Clarke and Kozen, editors, *Proc. Workshop on Logics of Programs*, volume 164 of *Lecture Notes in Computer Science*, pages 313–325. Springer-Verlag, 1983.
84. Dexter Kozen. A probabilistic PDL. In *Proc. 15th Symp. Theory of Comput.*, pages 291–297. ACM, April 1983.
85. Corrado Böhm and Dexter Kozen. Eliminating recursion over acyclic data structures in functional programs. In *4th Int. Workshop on the Semantics of Programming Languages, Bull. EATCS*, volume 20, page 205, Bad Honnef, June 1983. EATCS.
86. Michael Ben-Or, Dexter Kozen, and John Reif. The complexity of elementary algebra and geometry. In *Proc. 16th Symp. Theory of Comput.*, pages 457–464. ACM, May 1984.
87. Dexter Kozen. Pebblings, edgings, and equational logic. In *Proc. 16th Symp. Theory of Comput.*, pages 428–435. ACM, May 1984.
88. Nissim Francez and Dexter Kozen. Generalized fair termination. In *Proc. 11th Symp. Princip. Programming Lang.*, pages 46–53, Salt Lake City, January 1984. ACM.
89. Dexter Kozen and Chee K. Yap. Algebraic cell decomposition in NC. In *Proc. 26th Symp. Found. Comput. Sci.*, pages 515–521. IEEE, October 1985.
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