

2003-2004 seminars

<p>Vehicle Loss September 22, 2003 Research Results for the Comparison of Several Two-Party Protocols</p>		
<p>Short Seminar Thursday, September 23, 2003 Lower Bounds for Non-Black-Box Zero-Knowledge</p>		
<p>Monday, September 29, 2003</p>	<p>Michael Kearns, University of Pennsylvania Research Results for Dense Subsets and Automata</p>	
<p>Tuesday, September 30, 2003</p>	<p>Yael Minsky, Kean State University On the Computational Power of Classical and Quantum Recursive Programs</p>	
<p>Tuesday, October 7, 2003</p>	<p>Russell Impagliazzo, US Recursion and PSPACE: Formalizing Proof Systems</p>	
<p>Monday, October 20, 2003</p>	<p>Grigori Mints, Stanford University Formalizing Logic of Computable Transformations</p>	
<p>Tuesday, October 21, 2003</p>	<p>Yael Rosenberg, Indiana University A New Explicit Construction of Constant-Degree Expander Cayley Graphs</p>	
<p>Wednesday, October 22, 2003</p>	<p>Alona Michalevich, Indiana University Towards a Characterization of Pseudo-Combinatorial Automata</p>	
<p>Monday, October 27, 2003</p>	<p>Nicholas Pippenger, Princeton University Feasibility Theory and Combinatorial Problems</p>	
<p>Tuesday, October 28, 2003</p>	<p>Yael Rosenberg, Indiana University A New Explicit Construction of Constant-Degree Expander Cayley Graphs (cont'd)</p>	
<p>Monday, November 3, 2003</p>	<p>Scott Aaronson, University of California Berkeley Bounded Formulae and Complexity of Quantum Computation</p>	
<p>Tuesday, November 4, 2003</p>	<p>Russell Impagliazzo, US Sparse Bounded-Degree Graphs, Randomness</p>	
<p>Monday, November 10, 2003</p>	<p>Yeh Dinur, Massachusetts Institute of Technology Testing and Self-Testing in Computational Geometry</p>	
<p>Tuesday, November 11, 2003</p>	<p>Scott Aaronson, Indiana University Representing the Boolean and Clifford Vector in a Lattice in which Testing is in NP (extended abstract)</p>	
<p>Monday, November 17, 2003</p>	<p>Claire Kenyon, Ecole Polytechnique and Institut Universitaire de France Approximation Algorithms for Packing</p>	
<p>Tuesday, November 18, 2003</p>	<p>Michael Aleksandrov, US Exponential Lower Bounds for the Runtime Time of QMA Algorithms on Solvable Formulae</p>	
<p>Monday, November 24, 2003</p>	<p>Adam Kelly, TCI, Chicago Reasoning in the Presence of Noise</p>	
<p>Monday, December 1, 2003</p>	<p>Sergio Arora, Princeton University Learning Theory and a version of $\mathcal{P} = \mathcal{NP}$ (Motivation by Graph Expansion Theorem)</p>	
<p>Tuesday, December 2, 2003</p>	<p>Jon Miltersen, US and Indiana University On the complexity of the $\mathcal{P} = \mathcal{NP}$ problem, with Applications to Quantum Complexity and Logic</p>	
<p>Monday, December 8, 2003</p>	<p>Valentine Kabanets, Simon Fraser University Complexity of Deciding Depth-Depth</p>	
<p>Tuesday, December 9, 2003</p>	<p>Ryan O'Donnell, US Learning Theory of Product Distributions</p>	

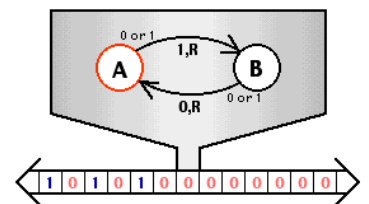
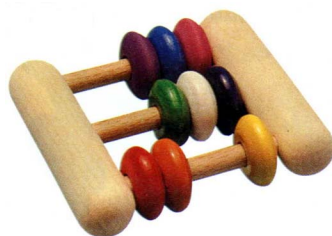
2003-2004 seminars

Monday, January 19, 2004	Tom Rypke, Toyota Technological Institute, Chicago Riemann-Roch and the Index	
Tuesday, January 20, 2004	Tom Rypke, Weinmann Institute Riemann-Roch and the Index	
Tuesday, January 20, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Monday, January 26, 2004	Mark Longtin, Rutgers University Riemann-Roch and the Index	
Tuesday, January 27, 2004	James S. Lee, Berkeley University Riemann-Roch and the Index	
Monday, February 2, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Tuesday, February 3, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Monday, February 9, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Tuesday, February 10, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Monday, February 16, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Tuesday, February 17, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Wednesday, February 18, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Monday, February 23, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Monday, February 23, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Tuesday, February 24, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Monday, March 1, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Tuesday, March 2, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Monday, March 8, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Tuesday, March 9, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Monday, March 15, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Tuesday, March 16, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Monday, March 22, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	
Tuesday, March 23, 2004	John Smith-Ogden, University of Toronto Riemann-Roch and the Index	

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Monday, March 29, 2004	John Canny, DMOCS Graph Editings and Graphical Primitives	
Tuesday, March 30, 2004	Arvids Ambainis, IAS Search by Quantum Walks	
Monday, April 5, 2004	Yan Yu, University of California, San Diego A New Quantum Proof of an Exponential Separation in Query Complexity	
Tuesday, April 6, 2004	Jon Rosenberg, IAS Sparse Graph Spanners and Graph Topology	
Monday, April 12, 2004	Samuel Rosenberg, Princeton University Sparse Spanners, Spanners, and Graph Connectivity	
Tuesday, April 13, 2004	Alexander Razborov, IAS Quantum State Complexity and Graph Topology	
Monday, April 19, 2004	Andrew Yao, Princeton University Sparse Spanners, Spanners, and Graph Connectivity	
Tuesday, April 20, 2004	Arvids Ambainis, IAS Search by Quantum Walks	
Monday, April 26, 2004	Jon Rosenberg, Cornell University Sparse Spanners, Spanners, and Graph Connectivity	
Tuesday, April 27, 2004	Ravi O'Donnell, IAS Sparse Spanners, Spanners, and Graph Connectivity	
Monday, May 3, 2004	Steve Hedger, NEC Research, Princeton Quantum Complexity, Spanners, and Graph Topology	
Tuesday, May 4, 2004	Siddhant Khanna, IAS Sparse Spanners, Spanners, and Graph Topology	
Monday, May 10, 2004	Ravi O'Donnell, Princeton University Sparse Spanners, Spanners, and Graph Connectivity	
Tuesday, May 11, 2004	David Peleg, University of California, Berkeley Spanners, Spanners, and Graph Topology	
Monday, May 17, 2004	David Peleg, Technion, on Sabbatical at Cornell University Spanners, Spanners, and Graph Topology	
Tuesday, May 18, 2004	Siddhant Khanna, IAS Sparse Spanners, Spanners, and Graph Topology	
Monday, May 24, 2004	David Peleg, Technion Spanners, Spanners, and Graph Topology	
Tuesday, May 25, 2004	David Peleg, Technion and IAS Spanners, Spanners, and Graph Topology	

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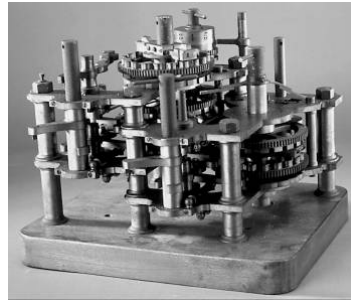


Turing Machine



Abacus

[National Science Foundation](#)



"Analytical Engine"

by Charles Babbage



[State of New Jersey](#)