

Our Mathematical Ancestors (October 1999)

This was prepared for our Centennial Celebration in 1999 and is a snapshot of our faculty then.

Christos Athanasiadis

Thesis Advisor: Chebyscheff \longrightarrow Markov \longrightarrow Tamarkin \longrightarrow Nelson Dunford \longrightarrow Jacob T. Schwartz \longrightarrow Gian-Carlo Rota \longrightarrow Richard P. Stanley

Jonathan Block

Thesis Advisor: Raoul Bott

Irene I. Bouw

Thesis Advisor: F. Oort

Eugenio Calabi [emeritus]

Thesis Advisor: Julius Plucker \longrightarrow Felix Klein \longrightarrow Adolph Hurwitz $\left. \begin{array}{l} \\ \\ \end{array} \right\} \implies$ David Hilbert
 \longrightarrow Erhard Schmidt \longrightarrow Salomon Bochner

Thesis Students: R. J. Milgram, Carlos Ferraris, Salvador Gigena, Tom Sayin Ho, Jianfang Li, Xiuxiong Chen

Luca Capogna

Thesis Advisor: J. J. v. Littrow \longrightarrow N. Braschman \longrightarrow P. L. Chebyshev \longrightarrow G. F. Voronoi \longrightarrow W. Sierpinski \longrightarrow S. Mazurkiewicz & Aleksander Rajchman \longrightarrow Antoni Zygmund \longrightarrow Eugene Fabes \longrightarrow Nicola Garofal

Ching-Li Chai

Thesis Advisor: Brioschi \longrightarrow Cremona \longrightarrow Veronese \longrightarrow G. Castelnuovo \longrightarrow Oscar Zariski \longrightarrow David Mumford

Thesis Students: Jeff Achter

Ted Chinburg

Thesis Advisor: Otto Mencken \longrightarrow Johann Christoph Wichtsmannhausen \longrightarrow Christian August Hansen \longrightarrow Abraham Gotthelf Kästner \longrightarrow Johann Pfaff \longrightarrow Carl Friedrich Gauss \longrightarrow Friedrich Bessel \longrightarrow Heinrich Scherk \longrightarrow Ernst Edouard Kummer \longrightarrow Paul DuBois Raymond \longrightarrow Otto Hölder \implies

Josef Stefan \longrightarrow Ludwig Boltzmann \longrightarrow Gustav Herglotz \implies

$\left. \begin{array}{l} \\ \\ \end{array} \right\} \implies$ Emil Artin \longrightarrow John T. Tate

Thesis Students: Sunghan Bae, Seyong Kim, David Solomon, Tom Schmidt, Tony Costa, Adebisi Agboola, Mike Rogers, George Pappas, Chi-Fong Lau, Seon-In Kwon, Caiqun Xiao, Shubin Hu

Christopher Croke

Thesis Advisor: E. H. Moore \longrightarrow George David Birkhoff \longrightarrow M. H. Stone \longrightarrow Richard V. Kadison \longrightarrow Richard Lashof

Thesis Students: Jin-Whan Yim, Jianguo Cao, Tobias Colding, Xiaobo Liu, Scott Pauls

Dennis DeTurck

Thesis Advisor: Ernst Lindelöf }
Rolf Nevanlinna } → Lars V. Ahlfors }
K. Weierstrass → G. Frobenius → Issai Schur → M. M. Schiffer }
⇒ Paul R. Garabedian → Jerry L. Kazdan

Thesis Students: Pei-Kun Chang, George Kamberov, Janet Talvacchia, Joseph Iaia,
Zhenyu Zhang, Nets Katz

Ron Donagi

Thesis Advisor: E. W. Barnes \longrightarrow J. Littlewood \longrightarrow Donald Spencer \longrightarrow Phillip Griffiths

Thesis Students: Stefanos Pantazis, Leon Fairbanks, Eyal Markman, Tony Pantev, Ludmil Katzarkov

Charles L. Epstein

Thesis Advisor: Julius Plucker \longrightarrow Felix Klein \longrightarrow Adolph Hurwitz $\left. \begin{array}{l} \\ \end{array} \right\}$ \longrightarrow David Hilbert
 \longrightarrow Richard Courant \longrightarrow Kurt O. Friedrichs \longrightarrow Peter D. Lax

Thesis Students: Yong Ouyang, Roger Lin

J. Michael G. Fell [emeritus]

Thesis Advisor: John L. Kelley

Thesis Students: Larry Baggett, Magnus Landstad, Ru-Ying, Lee, Bruce Evans

Peter Freyd

Thesis Advisor: Karl Jacobi \longrightarrow Wilhelm Scheibner \longrightarrow William Story \longrightarrow Solomon Lefschetz \longrightarrow Norman Steenrod

Thesis Students: Richard Faber, Brandeis, Marta Bunge, Orville Kean, Murray Adelman, Preston Kohn, Douglas Howe, Samuel Johnson (U of North Carolina), David Joyce, David Yetter, Stacy Finkelstein

Murray Gerstenhaber

Thesis Advisor: $\left. \begin{array}{l} \text{H. Maschke} \\ \text{E. H. Moore} \end{array} \right\} \longrightarrow$ Leonard Eugene Dickson \longrightarrow A. Adrian Albert $\left. \begin{array}{l} \\ \end{array} \right\}$
 \longrightarrow Jacques Hadamard \longrightarrow Andre Weil $\left. \begin{array}{l} \\ \end{array} \right\}$

Herman R. Gluck

Thesis Advisor: Karl Jacobi \longrightarrow Wilhelm Scheibner \longrightarrow William Story \longrightarrow Solomon Lefschetz \longrightarrow Ralph Fox

Thesis Students: Nelson Max, David Singer, David Sprows, Kenneth Krigelman, Alan Kafker, John Petro, Sharon Pedersen, Liu-Hua Pan, Weiqing Gu

Fan Chung Graham

Thesis Advisor: E. H. Moore \longrightarrow G. D. Birkhoff \longrightarrow H. Whitney \longrightarrow Herbert Robbins \longrightarrow Herbert S. Wilf

Thesis Students: Alec Mihailov, Chao Yang, Linyuan Lu, Y. S. Zhang

Antonella Grassi

Thesis Advisor: E. W. Barnes \longrightarrow J. Littlewood \longrightarrow Donald Spencer \longrightarrow Phillip Griffiths \longrightarrow D. Morrison

David Harbater

Thesis Advisor: Brioschi \longrightarrow Cremona \longrightarrow Veronese \longrightarrow G. Castelnuovo \longrightarrow Oscar Zariski \longrightarrow Michael Artin

Thesis Students: Sybilla Beckmann, Eric Dew, Katherine Stevenson, Tamara Lefcourt

Hongde Hu

Thesis Advisor: Michael Makkai

Richard V. Kadison

Thesis Advisor: E. H. Moore \longrightarrow George David Birkhoff \longrightarrow M. H. Stone

Thesis Students:

Jerry L. Kazdan

Thesis Advisor: Ernst Lindelöf }
Rolf Nevanlinna } \longrightarrow Lars V. Ahlfors }
K. Weierstrass \longrightarrow G. Frobenius \longrightarrow Issai Schur \longrightarrow M. M. Schiffer }
 \implies Paul R. Garabedian

Thesis Students: Francoise Schremmer, Richard J. Kramer, Wu-Teh Hsiang, Dennis De-Turck, Carlos Corona, Zhiren Jin

Andrew H. Kresch

Thesis Advisor: Julius Plucker \longrightarrow Felix Klein \longrightarrow Adolph Hurwitz } \implies David Hilbert
F. Lindemann }
 \longrightarrow Erhard Schmidt \longrightarrow Salomon Bochner \longrightarrow G. Washnitzer \longrightarrow
William Fulton

Alexandre Kirillov

Thesis Advisor: J. Hadamard } \implies N. N. Lusin \longrightarrow A. N. Kolmogorov \longrightarrow I. M. Gelfand
G. Darboux }

Thesis Students: I. Ya. Vahutinsky, David Kazhdan, Sergei Gelfand, G. I. Ol'shanski, N. Shapovalov, S. Fomin, I. A. Kostrikin, I. M. Shchepochkina A. Gnedin, I. Busyatskaya, V. Shtepin, A. Fialowski, A. Zaitsev, E. Gutkin, R. Sunchelev, A. Panov, V. A. Ginzburg, M. Golenishcheva-Kutuzova, Andrei Zelevinski, B. Cikos, Yu. A. Neretin, V. Ovsienko, A. Molev, M. Nazarov, Do Ngok Diep, D. V. Yuriev, V. Stepin, A. Karabegov, P. Grozman, A. Sergeev, A. Okun'kov

Albert Nijenhuis [emeritus]

Thesis Advisor: J. Cardinaal \longrightarrow J.A. Schouten

Thesis Students: Edward T. Kobayashi, Stanistas Klasa, Sara Salvioli, Ebadollah S. Mahmoodian, Yui-Hoi Harris Kwong

Norman Oler [emeritus]

Thesis Advisor: Otto Mencken \longrightarrow Johann Christoph Wichtsmannhausen \longrightarrow Christian August Hansen \longrightarrow Abraham Gotthelf Kästner \longrightarrow Johann Pfaff \longrightarrow Carl Friedrich Gauss \longrightarrow Friedrich Bessel \longrightarrow Heinrich Scherk \longrightarrow Ernst Edouard Kummer \longrightarrow Paul DuBois Raymond \longrightarrow Otto Hölder \implies
Josef Stefan \longrightarrow Ludwig Boltzmann \longrightarrow Gustav Herglotz \implies
} \implies Emil Artin \longrightarrow Hans Zassenhaus

Tony Pantev

Thesis Advisor: E. W. Barnes \longrightarrow J. Littlewood \longrightarrow Donald Spencer \longrightarrow Phillip Griffiths
 \longrightarrow Ron Donagi

Michael Pimsner

Thesis Advisor: Miro Nicolescu \longrightarrow Ciprian Foias \longrightarrow Dan Voiculescu

Gerald J. Porter

Thesis Advisor: Karl Jacobi → Wilhelm Scheibner → William Story → Solomon Lefschetz → Norman Steenrod → George Whitehead → John C. Moore → William Browder

Thesis Students: Albert Shar

Robert T. Powers

Thesis Advisor: John A. Wheeler → Arthur Wightman

Thesis Students: Terrance Lenahan, Andre Girard, Mitch Baker, Geoffrey Price, George Stanatopolos, Makoto Saito

Mary Pugh

Thesis Advisor: Shmuel Agmon → Peter Constantin

Andre Scedrov

Thesis Advisor: James Clerk Maxwell \longrightarrow W. D. Niven \longrightarrow Alfred North Whitehead \longrightarrow Willard Van Orman Quine \longrightarrow John Myhill

Thesis Students: Richard F. Blute, Moez Alimohamed, Peter Selinger

David Shale

Thesis Advisor: K. Weierstrass \longrightarrow H. A. Schwarz \longrightarrow L. Fejer \longrightarrow Marcel Riesz \longrightarrow Einar Hille \longrightarrow Irving E. Segal

Julius Shaneson

Thesis Advisor: Karl Jacobi \longrightarrow Wilhelm Scheibner \longrightarrow William Story \longrightarrow Solomon Lefschetz \longrightarrow Norman Steenrod \longrightarrow Mel Rothenberg

Thesis Students: Simon Aloff, Tim Lance, Edgar Beccerra, Val Vijums, Theodore Wilson, Kent Orr, Abbey Thompson, Monica Nicolau, Susan Szczepanski, Gustavo Comezana, Shenjun Jiang, Michael Chkhenkeli

Stephen S. Shatz

Thesis Advisor: Otto Mencken \longrightarrow Johann Christoph Wichtsmannhausen \longrightarrow Christian August Hansen \longrightarrow Abraham Gotthelf Kästner \longrightarrow Johann Pfaff \longrightarrow Carl Friedrich Gauss \longrightarrow Friedrich Bessel \longrightarrow Heinrich Scherk \longrightarrow Ernst Edouard Kummer \longrightarrow Paul DuBois Raymond \longrightarrow Otto Hölder \implies

Josef Stefan \longrightarrow Ludwig Boltzmann \longrightarrow Gustav Herglotz \implies

} \implies Emil Artin \longrightarrow John T. Tate

Thesis Students: Peter A. Norman, Steven I. Sperber, Paul Dana Cole, Marjory Baruch, Eric Brosius, Sung-Sik Woo

Eugene Stern

Thesis Advisor: Ludwig Faddeev \longrightarrow Nicolai Reshetikhin

Harry Tamvakis

Thesis Advisor: Julius Plucker \longrightarrow Felix Klein \longrightarrow Adolph Hurwitz \longrightarrow Erhard Schmidt \longrightarrow Salomon Bochner \longrightarrow G. Washnitzer \longrightarrow William Fulton

F. Lindemann } \implies David Hilbert

Andrew Wallace [emeritus]**Frank Warner**

Thesis Advisor: K. Weierstrass \longrightarrow H. A. Schwarz \longrightarrow L. Fejer \longrightarrow Marcel Riesz \longrightarrow Einar Hille \longrightarrow Irving E. Segal \longrightarrow Isadore M. Singer

Thesis Students: Alan Weinstein (with S. S. Chern), Joanne Trimble, Midori Goto

Herbert S. Wilf

Thesis Advisor: E. H. Moore \longrightarrow G. D. Birkhoff \longrightarrow H. Whitney \longrightarrow Herbert Robbins

Thesis Students: Peter Sellers, Roy Levow, Michael Albertson, Joseph Bolmarcich, Alex Lyczak, Eli Mandelbaum, William Kuhn, Joan Hutchinson, Fan R. K. Chung Graham, Paul Klingsberg, Judith Dayhoff, Rodica Simion, Janet S. Beissinger, Kathleen O'Hara, Felix Lazebnik, Nancy Yoshimura, Eric Schmutz, Jennifer Zito, Richard Garfield, Lily Yen, Anthony Mikovsky Alkes Price

Jie Wu

Thesis Advisor: Karl Jacobi \longrightarrow Wilhelm Scheibner \longrightarrow William Story \longrightarrow Solomon Lefschetz \longrightarrow Norman Steenrod \longrightarrow George Whitehead \longrightarrow John C. Moore \longrightarrow Peter May \longrightarrow Fred Cohen

Chung-Tao Yang [emeritus]

Thesis Advisor: $\left. \begin{array}{l} \text{E. H. Moore} \longrightarrow \text{O. Veblen} \\ \text{J. J. Sylvester} \longrightarrow \text{G. B. Halstead} \end{array} \right\} \implies \text{R. L. Moore}$
 \longrightarrow G. T. Whyburn \longrightarrow A. D. Wallace

Wolfgang Ziller

Thesis Advisor: Karl Heinrich Weise \longrightarrow Wilhelm Klingenberg

Thesis Students: Donald Brittain, Duoqia Lu, Mingliang Cai, Lorenz Schwachhofer, Christine Escher, Andy Hicks, Megan Kerr, Sarah Greenwald

*Recently Deceased Colleagues***Oscar Goldman**

Thesis Advisor: Claude Chevalley

Lajos Pukanszky

Thesis Advisor: $\left. \begin{array}{l} \text{Frigyes Riesz} \\ \text{Gyula Szokefalvi-Nagy} \end{array} \right\} \implies \text{Bela Szokefalvi-Nagy}$

Dock Sang Rim

Thesis Advisor: Otto Mencken \longrightarrow Johann Christoph Wichtsmannhausen \longrightarrow Christian August Hansen \longrightarrow Abraham Gotthelf Kästner \longrightarrow Johann Pfaff \longrightarrow Carl Friedrich Gauss \longrightarrow Friedrich Bessel \longrightarrow Heinrich Scherk \longrightarrow Ernst Edouard Kummer \longrightarrow Paul DuBois Raymond \longrightarrow Otto Hölder \implies
 Josef Stefan \longrightarrow Ludwig Boltzmann \longrightarrow Gustav Herglotz \implies
 $\left. \right\} \implies \text{Emil Artin} \longrightarrow \text{George Whaples}$