

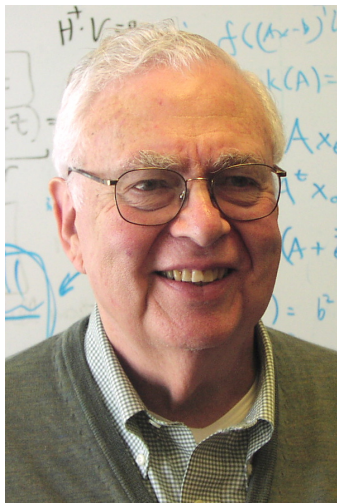
# Gene Golub Memorial Conference

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# Gene Golub Memorial Conference

A Celebration of the Life and Legacy of Gene H. Golub



Gene H. Golub 1932–2007

# Conference Overview

- ▶ Conference Sponsors
  - ▶ COMSOL
  - ▶ The Mathworks
  - ▶ UMass Dartmouth
- ▶ Speakers and talks
- ▶ Reception and Banquet
- ▶ Conference finale: Final remembrances and carrying on the legacy

# Overview of Golub's Professional Career

- ▶ Central figure in the world of Computational Mathematics (1961-2007)
- ▶ SIAM Service – President, Council, and Board of Trustees
- ▶ Founding Editor of 2 SIAM Journals
- ▶ Founder of NA-Net and NA Digest
- ▶ Founder of the quadrennial ICIAM Congresses
- ▶ Golub Tree - 31 Ph.D. students and over 90 academic descendents

# Major Awards - over 30

- ▶ 10 Honorary Degrees
- ▶ National Academy of Sciences
- ▶ National Academy of Engineering
- ▶ American Academy of Arts and Sciences
- ▶ Other National Academies- various countries
- ▶ Hall of Fame for Engineering, Science, and Technology

# Brief Overview of Golub's Publications

- ▶ ISI lists 315 publications (journal articles, conference proceedings, technical reports)
  1. 20 papers with 100+ citations
  2. 100 papers with 20+ citations
- ▶ 16 books
  - ▶ Matrix Computations by Golub and Van Loan (16,000 citations)
  - ▶ Milestones in Matrix Computations, Selected Works of Gene H. Golub (eds: R. Chan, C. Greif, and D. O'Leary)  
21 classic papers
  - ▶ Inverse Eigenvalue Problems by Moody T. Chu and Gene H. Golub

# Major Areas of Research

- ▶ Iterative Methods
- ▶ Least Squares Problems
- ▶ Matrix Factorizations and Applications
- ▶ Orthogonal Polynomials and Quadrature
- ▶ Eigenvalue Problems
- ▶ Statistical Computing

# Professor SVD



## Tonight at the Banquet – Part 2: A Personal Tribute

For 30 years Gene has been a friend, mentor, and role model. The qualities I admired most in Gene cannot be quantified. I will speak about those qualities and share some memories of Gene tonight at the banquet.

All attendees are invited to share memories of Gene at the banquet.