



## Fan Chung Graham

Professor Emeritus of Mathematics  
Professor Emeritus of Computer Science & Engineering

Research Areas    Combinatorics  
                          Spectral Graph Theory  
                          Extremal Graph Theory

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### Professional Biography

After completing her Ph.D., Fan Chung Graham joined the technical staff of AT&T Bell Laboratories. From 1983 to 1991, she headed the Mathematics, Information Sciences and Operations Research Division at Bellcore becoming a Bellcore Fellow in 1991. In 1993, she was the Class of 1965 Professor of Mathematics at the University of Pennsylvania. Since 1998, she has been a Professor of Mathematics and Professor of Computer Science and Engineering at the University of California, San Diego and holds the Akamai Chair in Internet Mathematics.

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Her research interests are primarily in graph theory, combinatorics, and algorithmic design, in particular in spectral graph theory, extremal graphs, graph labeling, graph decompositions, random graphs, graph algorithms, parallel structures and various applications of graph theory in Internet computing, communication networks, software reliability, chemistry, engineering, and various areas of mathematics.

### Education

- Ph.D. Mathematics, University of Pennsylvania, 1974
- M.S. Mathematics, University of Pennsylvania, 1972
- B.S. Mathematics, National Taiwan University, 1970

### Awards and Distinctions

- Paul Erdos Chair of Combinatorics
- NSF Award
- Fellow of the American Academy of Arts and Sciences
- Allendoerfer Award of Mathematical Association of America
- Fellow of the American Mathematical Society (AMS)

