

Douglas B. West - Curriculum Vita

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Education

Ph.D. in Mathematics, Massachusetts Inst. of Technology, 1978, advisor Daniel J. Kleitman.
A.B. in Mathematics, Princeton University, 1974, cum laude.

Employment

1982-present: University of Illinois—Urbana (assistant prof. 1982–85, associate prof. 1985–91, professor 1991-present - Mathematics Dept. and Coordinated Science Laboratory).
1989–90: Univ. of California—Berkeley (visiting associate prof. - Computer Science).
1987–88 and summers 1980,82,85: Inst. for Defense Analyses, Princeton, NJ (research staff).
1979–82: Princeton University (assistant professor - Mathematics).
1978–79: Stanford University (visiting lecturer, research assoc. - Computer Science).

Honors

2007: Associate, Center for Advanced Studies, Univ. Illinois.
2002: Provost's Campus Award for Excellence in Undergraduate Teaching, Univ. Illinois.
1994: Beckman Associate, Center for Advanced Studies, Univ. Illinois.
1985: Beckman Fellow, Center for Advanced Studies, Univ. Illinois.
1985–08: "Incomplete list of teachers rated excellent" (named 35 times), Univ. Illinois.
1974–77: Natl. Science Foundation Graduate Fellow; *1978*: Sigma Xi; *1974*: Phi Beta Kappa.

Research grants

2006–08: National Security Agency, "Extremal problems from graph decomposition."
2003–06: National Security Agency, "Graph coloring and its variations."
1998: National Research Council COBASE grant, "Coloring of mixed hypergraphs."
1993–95: National Security Agency, "Intersection representations of graphs and digraphs."
1990–93: National Security Agency, "Intersection representations of graphs and posets."
1987–90: Office of Naval Research (with M.C. Loui), "Graph-theoretic methods for distributed algorithms."
1985–87: Office of Naval Research (with M.C. Loui), "Communication complexity of graph optimization problems on distributed systems."
1986–87: National Science Foundation: "Packing, covering, and representation parameters for graphs and partial orders."
Since 1985: Univ. Illinois Research Board: 8 research grants, most recent 2004–05.

Professional Activities

Editor-in Chief: *Discrete Mathematics* (since 2007). *Associate Editor*: *American Mathematical Monthly* (since 1986), *Order* (since 2005).
Officer: Vice Chair, SIAM Activity Group on Discrete Mathematics, 1997–1999.
Researcher: published more than 130 research articles in discrete mathematics.
Author: two textbooks published (2nd editions).
Lecturer: more than 90 invited talks at conferences and seminars.
Referee/Reviewer: roughly 10 articles/proposals and 5 MathReviews per year.
Resource: maintain web pages listing upcoming conferences, open problems, etc.
Advisor: advised 22 PhD theses since 1984.