
**Operations Research Seminar**

# A Remarkably Efficient Variation of the Simplex Algorithm for Random LPs with Bounded Variables

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10:30-11:30 Seminar at GL-286

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Using only geometric pictures, a remarkably efficient variation of the Simplex Algorithm for random linear programs with bounded variables is presented. Can it really be that simple?

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Daniel Solow was born in Washington, D.C. at a very young age. He soon learned that Danny was his name and mathematics was his game. He received a B.S. in Mathematics from Carnegie-Mellon University; an M.S. in Operations Research from the University of California at Berkeley; and a Ph.D. in Operations Research from Stanford University. He has been a professor at Case Western Reserve University since 1978. His original research interests are in discrete, linear, and nonlinear optimization. He also uses these tools together with mathematical modeling, analysis and computer simulations to derive insights and results that are applicable to broad classes of complex systems and to specific complex systems of human interaction. He has also developed systematic methods for teaching mathematical proofs and reasoning, computer programming, and operations research.