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IEOR MONDAY SEMINAR

How Good is the Simplex Method, continued...

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Abstract:

In the sixty or so years since G. B. Dantzig first developed the simplex method, it has become a phenomenally successful tool for solving real world problems. However, for almost as long, researchers have struggled both to develop a theory to explain this success in light of the theoretical inefficiency of the major variants of the method, and to develop theoretically efficient variants. We will trace the practical success of the method, as well as the underlying theoretical developments including recent efforts such as smooth analysis and optimizing over polyhedra with small diameters.

Ilan Adler is a Professor in the Industrial Engineering and Operations Research department at the University of California at Berkeley, where he has worked since receiving his PhD from Stanford in 1971. He is currently chair of the department. His primary research area is theoretical mathematical programming; recently, he has focused on optimization in finance, and equilibrium models in energy markets. He occasionally dabbles in probability models and analysis.

Date, time and location:

Monday, January 22, 2007

3:30 – 4:30 pm

3108 Etcheverry Hall

COME EARLY! REFRESHMENTS WILL BE SERVED AT 3:00PM.

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