

Department of Applied Mathematics and Statistics
The Johns Hopkins University

SEMINAR

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October 25, 2007
304 Whitehead Hall
Refreshments: 3:30 p.m.
Seminar: 4:00 p.m.

**FINDING A SIMPLE POLYTOPE FROM ITS GRAPH:
CONNECTIONS TO LINEAR PROGRAMMING COMPLEXITY**

ABSTRACT

This talk will ostensibly focus on my recent work on the complexity of finding a simple polytope from its graph; however, much of the talk will be on a combinatorial approach to understanding the computational complexity of the simplex algorithm for linear programming, a topic of more general interest. At the end, I will describe the connections between the two.