

**Department of Applied Mathematics and Statistics  
The Johns Hopkins University**

**SEMINAR**

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April 21, 2005  
304 Whitehead Hall  
Refreshments: 3:30 p.m.  
Seminar: 4:00 p.m.

**PROJECTION METHODS**

**ABSTRACT**

The projection problem is one of the most fundamental in optimization. In the talk, some results of my research in this area will be presented, including some successive projection methods, parallel projection methods, projection methods for generalized linear least-squares problems, and projections among ellipsoids. We also study how some of the projection methods can be applied to the solution of some more general nonlinear programming problems.