1086-65-1689   **Thomas A Goldstein*** (`tomgold2@gmail.com`), 3627 25TH ST., San Francisco, CA 94110.
Improved Alternating Direction Methods for Numerical Optimization.

Alternating direction methods are an important class of algorithms for solving large-scale optimization problems, especially in the field of image processing. In this talk, we explore new ways of improving conventional alternating direction schemes. These include techniques for accelerating convergence, and adaptive timestepping. (Received September 24, 2012)