1116-49-2751   **Mau Nam Nguyen*** (`mnn3@pdx.edu`), Department of Mathematics and Statistics, Portland State University, Portland, OR 97201, and **Daniel Giles**, Department of Mathematics and Statistics, Portland State University, Portland, OR 97201. *Minimizing Differences of Convex Functions and Applications to Multifacility Location.*

In this talk we present a number of optimization methods for minimizing differences of convex functions. Then we introduce an algorithm based on differences of convex functions for solving some multi-facility location problems that involve distances generated by different norms and Minkowski gauges. We also discuss results of convergence as well as numerical tests to show the effectiveness of the algorithm. (Received September 22, 2015)

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