

Huge-scale convex optimization. Randomization vs Sparsity

Alexander Gasnikov

PreMoLab MIPT, HSE, IITP RAS

Abstract. We plane to describe a few examples of huge-scale optimization problems. These examples go from different applications: traffic flow modelling, ranging of web-pages, etc. In the core of our methods lie randomization trick (based on lecture 1) and sparsity of the problems. Unfortunately, these features are antagonistic in some sense to each other as a rule.