Gradient Descent in a Bregman Distance Framework

Planning

1. Introduction
   1. Convex Problems
   2. Non-Convex Problems
2. Concepts
   1. Convex
   2. Non-Convex
3. Linearized Bregman Iteration for Non-Convex functionals
4. Informal convergence recipe of Bolte et al
5. Global convergence result in finite dimensions
6. Applications: MRI, Blind Deconvolution, Image Classification
7. Numerical Results
8. Conclusion