1108-68-510 **Soledad Villar\*** (`mvillar@math.utexas.edu`), speedway 2515, RLM 8.100, Math department, Austin, TX 78712, and **Pranjal Awasthi**, **Afonso S Bandeira**, **Moses Charikar**, **Ravishankar Krishnaswamy** and **Rachel Ward**. *Convex relaxations in geometric clustering.*

We study exact recovery conditions for convex relaxations of point cloud clustering problems, focusing on two of the most common optimization problems for unsupervised clustering: $k$-means and $k$-median clustering. (Received January 20, 2015)