

Breaking Through the Thresholds: An Analysis for Iterative Reweighted L_1 Minimization Algorithm via the Grassmann Angle Framework

- L_1 Minimization: largest sparsity recovery thresholds known so far.
- **Provably** beat L_1 ?
- **Iterative Reweighted L_1 Minimization **does!****
 - run L_1 Minimization first for weights
 - weighted L_1 Minimization
- **Proofs: Grassmann Angle Framework**
 - partial support information in initial iterations
 - weighted L_1 Minimization provides better thresholds