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Robust Sparse Recovery via Weakly Convex Optimization in Impulsive Noise

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Highlights

- By combining the concept of weak convexity with l_1 norm loss function, a robust sparse recovery framework for impulsive noise is proposed and theoretically analyzed.
- Model analysis guarantees that this novel robust sparse recovery formulation guarantees to attain the global optimum.
- An efficient algorithm based on ADMM is developed to solve the corresponding nonconvex and nonsmooth minimization.

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