

236862.1x

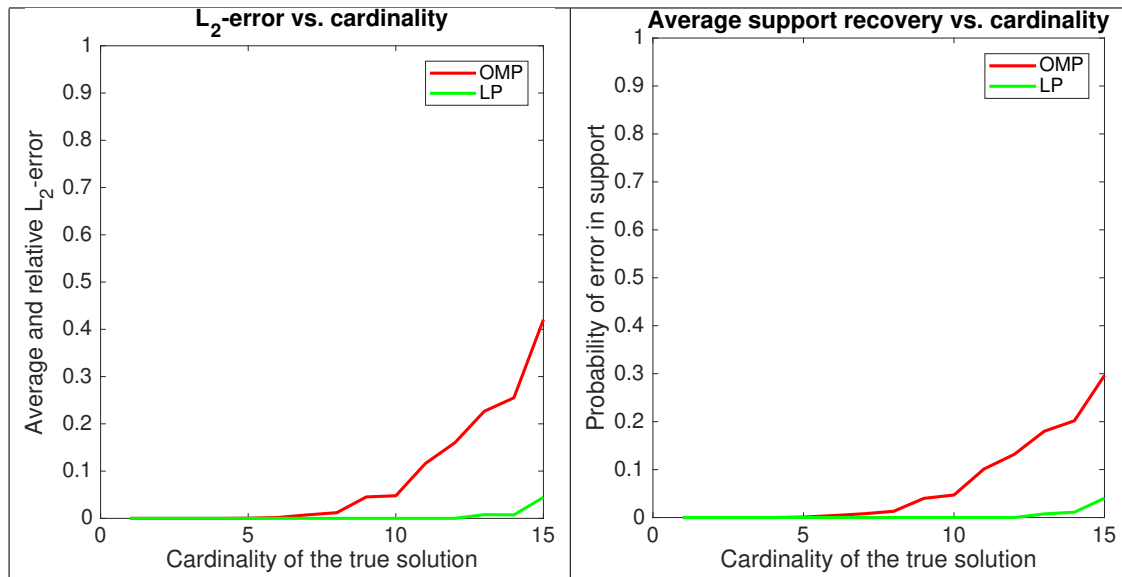
Project 1 - Pursuit Algorithms

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Part C - Analyzing the results

Figures



Discussion

Accuracy

If the vector x is sparse enough, then both OMP and BP provide accurate solutions to the $P(0)$ problem. However if the sparsity level of x diminishes, then BP provides a far more accurate solution.

Speed

Running on MATLAB Online proved the BP algorithm to be far more slower than the OMP algorithm.