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# On recovery of block sparse signals via block generalized orthogonal matching pursuit

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## Highlights

- Block structure is taken into account to recover the original block sparse signal.
- In noisy case, sufficient conditions ensuring BgOMP algorithm to identify at least one index in the support of block sparse signal at each iteration are proposed.
- Sufficient conditions under which the BgOMP algorithm can exactly recover the original block sparse signal in noise-free case are proposed.
- Experiment results show that proposed algorithm has considerable recovery performance in terms of probability of exact reconstruction and running time.

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