

Open(?) Problems in Compressed Sensing

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Outline

- 1 Sensing matrices
- 2 Practical decoders
- 3 Performance of CS algorithms
- 4 Other questions

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- 6 Is there an equivalence relation on a set of NSP matrices such that every equivalence class has a matrix with RIP?

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- 4 Instance optimality for implementable decoders.

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- 2 Extension of [CRT] theory for frames.
- 3 Remove the “sign sequence” condition from [CR06]. What’s behind this?

THANK YOU