Basis pursuit II

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Contents

0.1   4.3 Robustness

- Taking into account the noise in the measurements.

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  Definition 0.1 (Robust null space property).

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  Theorem 0.2. *Folgen für (P$_{1,\eta}$), wenn A die robust null space property erfüllt.*

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  Theorem 0.3 (Equivalent characterization of robust null space property).

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  Definition 0.4 (ℓ^q-robust null space property).

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  Theorem 0.5 (Robustness of the quadratically constrained basis pursuit algorithm).

- Two remarks

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  Theorem 0.6. *Generalization of the previous theorem, using the proof of the previous theorem.*

0.2   4.4 Recovery of individual vectors