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 amssymb
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 theoremTheorem acknowledgement[theorem]Acknowledgment algorithm[theorem]Algorithm axiom[theorem]Axiom
 case[theorem]Case claim[theorem]Claim conclusion[theorem]Conclusion condition[theorem]Condition conjec-
 ture[theorem]Conjecture corollary[theorem]Corollary criterion[theorem]Criterion definition[theorem]Definition
 example[theorem]Example exercise[theorem]Exercise lemma[theorem]Lemma notation[theorem]Notation prob-
 lem[theorem]Problem proposition[theorem]Proposition remark[theorem]Remark solution[theorem]Solution sum-
 mary[theorem]Summary
 On inverse problems from a statistical perspective Yuri Golubev
 document
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 The main problem is to recover

$$\theta = (\theta(1), \dots, \theta(n))^T \in R^n$$

from the noisy data equation* $Y=A\theta + \epsilon$,