



ON THE STABILITY OF INVERSE PROBLEMS

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In many settings uniqueness theorems for inverse problems have been established. In practical settings one can typically not expect to obtain all the necessary data. Additionally, recovery algorithms cannot make use of all data even if they were available. It is therefore a highly important problem to investigate what information may be contained in finite data.

In this talk I will present some recent progress on such questions in the realm of inverse problems for differential and difference equations. Results were obtained jointly with Malcolm Brown, Ian Knowles, Marco Marletta, and Serguei Naboko.