



FMSP Lectures

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A priori and a posteriori error estimation
for solutions of ill-posed problems

December 10 (Tuesday) , 17:00 ~ 18:00 Room 118

Abstract:

In order to calculate a priori or a posteriori error estimates for solutions of an ill-posed operator equation with an injective operator we need to describe a set of approximate solutions that contains an exact solution. After that we have to calculate a diameter of this set or maximal distance from a fixed approximate solution to any element of this set. I will describe three approaches for constructing error estimates and also their practical applications.