

Contributions of Pr. Alain Cimetière in the field of inverse problems

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Abstract

In this talk, at the occasion of his 75th birthday, we come back to the main contributions of Professor Alain Cimetière in the field of inverse problems.

We come back, in particular, to the basic ideas of the fading regularization method, the different stages of its construction and the proofs of convergence as well in the continuous case as in finite dimension. The numerical implementation as well as the variants of the method to improve the reconstruction of the normal derivative will also be exposed.