



# FMSP Lectures

Christian Clason

(University Duisburg-Essen)

## Discrete regularization of parameter identification problems

August 12 (Fri) 16:00 ~ 17:00 Room 128

### Abstract:

This talk is concerned with parameter identification problems where a distributed parameter is known a priori to take on values from a given set. This property can be promoted with the aid of a convex regularization term in the Tikhonov functional. We discuss the properties of minimizers of this functional and their numerical computation using a semismooth Newton method.