ADVANCED COURSE IN MATLAB

20 hours in 6 sessions

JANUARY 18 and 19
JANUARY 25 and 26

PROGRAM

Friday | 7.00 pm - 11.00 pm
Saturday | 9.00 am - 5.00 pm

Registration | 300€
Includes accommodation, light meals and material support.

1. Introduction to Matlab;
2. Data import and export;
   Case study: STL files (Stereolithography);
3. Matrices;
   Case study: Triangulations;
4. Image processing and visualization;
   Case study: development of graphic user interfaces;
5. Algorithm development and Programming;
   Case study: The vector based paradigm - converting loops into vector operations;
6. Analysis and development of implemented solutions, debugging, efficiency and code optimization;
   Case study: Stand alone applications – possible implementations and solutions to student provided problems.

TARGET AUDIENCE

This course is addressed, in the first place, to those PhD students and researchers who have already a specific problem to solve and are convinced that Matlab is the right tool to implement the solution. It does not require any prior knowledge of Matlab and hence it is also addressed to those who simply want to know it better.

OBJECTIVES

The objective of course is to provide the student with a set of skills and techniques that can be useful in implementing solutions with the so called vectorized paradigm, that is, transforming loops and procedural programming into vector based operations making use of the full power of Matlab computing.

FORMER

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CONTACTS

for more information

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