

Computational linear algebra for large scale problems A.Y 2023-2024

Instructions for Homework 2

The homework consists of drafting a PDF document in which the questions are presented, followed by their respective solutions. It is not necessary to include other parts of the text of the article provided. The solutions require the use of software that can be developed by the candidate or taken by libraries or codes. There is no specific format requirement for the solutions; each individual is free to choose the format they deem most appropriate. Since the questions vary in difficulty and type, it is not strictly necessary to answer all of them. However, it is requested to include all the questions in the document while maintaining the numbering provided in the given text.

The submissions, which encompass both reports and the code developed, must be uploaded to the "Elaborati" section on the course's webpage before the starting of each examination call (appello) in which the student intends to participate:

Winter session, first call (appello) 28/01/2024

Winter session, second call (appello) 13/02/2024

Summer session, 16/09/2024

Autumn session, 01/09/2024

The homework assignments are encouraged to be undertaken in small groups comprising two individuals. However, should a student prefer to work on the homework individually, that option is also acceptable.

The file name is: HW2_surnames_list.zip where surnamelist is the list of the two members of the group.

The two members of the group are free to take the exam separately.