

LAK tutorials 6

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To pass the tutorials, you have to attend all tutorials and submit (solve) at least 50% of homework assignments. There are two types of homework assignments:

1. A-type: You have to finish this assignment if you do not attend the tutorials,
2. Star-type: Throughout the semester, you have to submit (solve) at least 50% of these homework assignments.

Please, submit your solutions in PDF format to cerny@kam.mff.cuni.cz.

A-type assignment

There is no A-type assignment this time.

Star-type assignment

For a graph G , its **spectrum** $Sp(G)$ is the set of eigenvalues (together with their multiplicity) of the adjacency graph of G .

Exercise 1

Show that all eigenvalues of a graph G are zero if and only if G has no edges.