

Essay

An essay written in English, approximately 1000 words in length (two pages, 12pt), must be submitted. The essay must contain a declaration that the essay is the candidate's own work and that the candidate has clearly identified any ideas stemming from outside sources.

Applicants for the summer semester 2025 must select one of the following essay themes:

1. Linear versus nonlinear phenomena, their relationship, and algorithmic approaches
2. Low-rankness: Matrices versus tensors
3. Does mathematics play a significant role in Big Data?