



Additional employment in the NCN SONATINA project ***Algebraic spectral gaps in group cohomology***

An additional employment is offered within the NCN Sonatina project “Algebraic spectral gaps in group cohomology” led by dr Piotr Mizerka. The research project focuses on investigation of the phenomenon of vanishing and reducibility of group cohomology by means of finding spectral gaps of algebraic Laplacians. The focus of the collaboration on the project within the employment offered will be developing the software allowing to find spectral gaps.

Requirements:

- student, PhD student or a graduate of Computer Science, Mathematics, or a related field,
- research interests related to the project’s subject,
- programming skill is welcome (Julia, Python, convex and positive-semidefinite optimization),
- good English proficiency.

Required documents:

- CV, including a description of scientific achievements, awards and distinctions,
- description of scientific interests,
- list of publications, talks during conferences and seminars (if applicable).

Please send the documents above in the pdf format at pmizerka@impan.pl (in the message’s subject, please write “SONATINA 6 EMPLOYMENT APPLICATION”) by **2 June 2023**.

We encourage all qualified candidates to apply, independently of their gender, age, ethnic, national or social background, religion, beliefs, sexual orientation or disabilities.

In case of questions, please contact dr Piotr Mizerka directly at pmizerka@impan.pl.

Deputy Director
Institute of Mathematics of PAS

Dr. hab. Piotr Nowak