

Oberwolfach Seminar

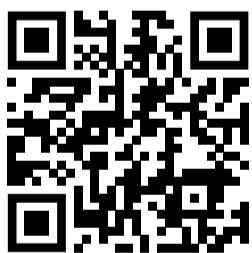
Growth in Finite and Infinite Groups

Organizers: Laurent Bartholdi, Göttingen/Lyon
Harald Helfgott, Göttingen
Matthew Tointon, Cambridge
Date (ID): 20 – 26 October 2019 (1943a)
Deadline: 11 August 2019

How many numbers can one obtain by hitting n keys on a calculator? Or, to be more general, group-oriented and genteel: say we are given a group G and a finite subset A ; write $A^r = \{x_1 x_2 \dots x_r : x_i \in A\}$. How much larger are A^2 or A^3 than A ? How does A^r grow as a function of r ?

The week-long “Oberwolfach Seminar 1943a” will be devoted to such questions. The target audience is PhD students or post-doctoral researchers wishing to be quickly immersed in a modern, active research area. Priority will be given to young, motivated researchers.

Please see the detailed program and a recommended reading list on the website of the seminar: www.mfo.de/occasion/1943a.



The seminar takes place at the Mathematisches Forschungsinstitut Oberwolfach. The Institute covers board and lodging. By the support of the Carl Friedrich von Siemens Foundation travel expenses can be reimbursed up to 150 EUR in average per person (against copies of travel receipts). The number of participants is restricted to 25.

Applications including

- full name and address, incl. e-mail address
- short CV and publication list
- present position, university
- name of supervisor of Ph.D. thesis
- a short summary of previous work and interest
- title, ID and date of the intended seminar

should be sent preferably by e-mail (with attachments in pdf format) via seminars@mfo.de until 11 August 2019 to:

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