

LMS UNDERGRADUATE SUMMER SCHOOL

SWANSEA UNIVERSITY, 12–23 JULY 2021

COLLOQUIUM

Ian Leary (Southampton)

Countability, groups, subgroups and finiteness properties

Abstract

What might it mean to give a finite description of an infinite group? Does this constraint on a group tell us anything about its subgroups? I shall discuss three possible answers to this pair of questions, invoking theorems from 1949, 1961 and 2018.