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2023 URAL WORKSHOP ON GROUP THEORY AND COMBINATORICS

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A review of the main events of the 2023 Ural Workshop on Group Theory and Combinatorics, held online during the period 21 to 27 August 2023, is presented, and a list of open problems with comments is given. Open problems were formulated by the participants at the Open Problems Session held on August 27, 2023.

Keywords: power graph, enhanced power graph, independence graph of a group, rank graph of a group, finite group, isomorphism of groups, π -solvable group, simple group, average element order, solvable group, deficient element, locally finite group, distance-regular graph, Krein graph, strongly regular graph, Gruenberg–Kegel graph (prime graph), almost simple group, Cayley graph, clique graph, edge-transitive graph, normal cover of a graph, 2-arc-transitive graph, semisymmetric graph, complete class of groups, Baer–Suzuki width, symmetric boundary of a class of groups.

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