

Annual Scientific Session of the Department of Algebra and Logic

December 15, 2023

Programme

9:55 – 10:00 Opening

10:00 – 10:30 Ivan Chipchakov: Diophantine and cohomological dimensions of fields

10:30 – 10:50 Elitza Hristova: Some new results on the $GL(n)$ -module structure of relatively free algebras and applications to noncommutative invariant theory

10:50 – 11:00 Break

11:00 – 11:30 Hristo Iliev: On the Tschirnhausen module of multiple coverings and some applications

11:30 – 11:50 Veselin Filev: A Sampling Approach for Tackling Large-Scale Linear Optimization Problems

11:50 – 11:55 Break

11:55 – 12:15 Marin Genov: Some Aspects of Holomorphy over Finite-Dimensional Commutative Algebras

12:15 – 12:35 Yacine Barhoumi-Andreani: Max-independence structures in random partitions of an integer

12:35 – 13:30 Lunch Break

13:30 – 13:50 Petar Iliev: There are no Sahlqvist formulae containing at most a logarithmic number of variables that define the n -density or the n -width of Kripke frames

13:50 – 14:10 Tatyana Ivanova: The fragment of elementary plane Euclidean geometry based on perpendicularity alone - a complete axiomatization

14:10 – 14:25 Vilislav Boutchaktchiev: Methods for estimation of the Inferred Loss Given Default of credit portfolios