Annual Scientific Session of the Department of Algebra and Logic

December 13, 2024, Room 578

Programme

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- 10:00 10:30 Vesselin Drensky and Boyan Kostadinov: On central polynomials of 4 × 4 matrices
- 10:30 10:50 Jörg Koppitz: On endomorphism monoids of the star graph
- 10:50 11:00 Break
- 11:00 11:20 Vassil Kanev: Hurwitz moduli varieties parameterizing pointed covers of an algebraic curve with a fixed monodromy group
- 11:20 11:40 Hristo Iliev: Curves on cones and their Tschirnhausen modules
- 11:40 11:50 Break
- 11:50 12:10 Petar Iliev: Modal logic with bi-implication is exponentially more succinct on BT and S4 models
- 12:10 12:30 Dimiter Dobrev: Initiative for Responsible Approach to Artificial Intelligence
- 12:30 13:30 Lunch Break
- 13:30 13:50 Ivan Chipchakov: A normality criterion for locally finite-dimensional central division algebras
- 13:50 14:10 Dimitrinka Vladeva: Semicentral idempotents of triangular matrix rings and of triangular matrix semirings
- 14:10 14:20 Break
- 14:20 14:40 Veselin Filev: Continuous Normalizing Flows and Matrix Models
- 14:40 15:10 Yacine Barhoumi-Andreani: On some integrable aspects of statistical mechanics of phase transitions: the Curie-Weiss model and the 1-dimensional Ising model
- 15:10 15:20 Break

15:20-15:35 Vilislav Boutchaktchiev: Weighed T-tests for the validation of the loss-given-default estimate

15:35 – 15:55 Lyubomir Borissov: Distinctness of the "Lifted" Kloosterman Sums over the Prime Field Fp: revisited

15:55 – 16:05 Break

16:05 – 16:35 Marin Genov: A Cauchy-Pompeiu Formula over Finite-Dimensional Commutative Complex Algebras

16:35 - 16:55 Elitza Hristova: Polynomial identities of Lie nilpotent associative relatively free algebras

16:55 - 17:00 Break

17:00 – 17:20 Emil Kolev: k distinguishable sets