COMPUTER ALGEBRA IN
SCIENTIFIC COMPUTING
PLEKHANOV RUSSIAN UNIVERSITY OF ECONOMICS
August 26-30, 2019 in Moscow, Russia

Topics
Approximate and exact computation;
Automated reasoning in algebra and geometry;
Computer algebra methods in big data analytics;
Parallel symbolic-numeric computation;
Simulation and modelling;
Symbolic computation algorithms and their complexity;
Symbolic-numeric methods for differential, differential-algebraic and difference equations;
Symbolic-numeric methods for polynomial equations and inequalities;
The embedding of computer algebra technology within different software/hardware environments;
Applications of the above throughout the natural sciences and engineering.

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