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# 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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