

POLYNOMIAL COMPUTER ALGEBRA

APRIL 23-28, 2012

ST. PETERSBURG, RUSSIA

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EULER INTERNATIONAL
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TOPICS

GROEBNER BASES
COMBINATORICS OF MONOMIAL ORDERINGS
DIFFERENTIAL BASES
INVOLUTIVE ALGORITHMS
COMPUTATIONAL ALGEBRAIC GEOMETRY
D-MODULES
POLYNOMIAL DIFFERENTIAL OPERATORS
PARALLELIZATION OF ALGORITHMS
ALGORITHMS OF TROPICAL MATHEMATICS
QUANTUM COMPUTING
CRYPTOGRAPHY
TROPICAL MANIFOLDS
MATRIX ALGORITHMS
COMPLEXITY OF ALGORITHMS



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