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Leibniz
Universität
Hannover

Oberseminar zur Algebra und Algebraischen Kombinatorik

Prof. Dr. Peter Bürgisser
Universität Paderborn

"The state of the art in geometric complexity theory"

Geometric complexity theory is an approach towards the fundamental lower bound problems in complexity theory based on algebraic geometry and representation theory. Originally, it has been proposed for the permanent versus determinant problem.

Recently, the overall framework has been applied and further developed for the tensor rank problem (complexity of matrix multiplication). While no good lower bounds have been obtained so far with these methods, we have now a much clearer understanding of the mathematical difficulties to be overcome for advancing.

Montag, 13.12.2010
ab 14:00 Uhr, Raum a410
Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

gez. Prof. Dr. C. Bessenrodt

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