

Jana Pílníková

CONTACT INFORMATION

Address: Katedra alegbry, geometrie a didaktiky matematiky
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PERSONAL

Born: March 1, 1975 in Žiar nad Hronom, Slovakia
Citizenship: Slovakia

EDUCATION

1999: Magister in mathematics, Comenius University, Bratislava, Slovakia
2006: Ph.D. in mathematics, RISC, Johannes Kepler University, Linz, Austria,

POSITIONS

1994–96: Teacher of computer science (on elementary school), Slovakia
1998–99, 2000–02: Software developer, WOC, Slovakia
1999–2000: Ph.D. student, Comenius University, Bratislava, Slovakia
2002–2006: Research assistant, SFB F013 "Numerical and Symbolic Scientific Computing",
Linz, Austria
September 2004: Visiting scholar, University of Sydney, Australia
since 2006: Teaching and research assistant, Faculty of mathematics, physics and computer
science, Comenius University, Bratislava, Slovakia

TEACHING EXPERIENCE

Comenius University, Bratislava:
Linear algebra, exercises, Winter 1999
Johannes Kepler University, Linz:
Mathematik 1 (Analysis), exercises, Summer 2005

PUBLICATIONS

J. Pílníková, P. Chalmovianský: Basis of Quartic Splines over triangulation, Journal for Geometry and Graphics, vol. 3, No. 2, 161–176, 1999
J. Schicho, J. Pílníková: Algorithms for solving rational quadratic forms, preprint, 2004
W. A. de Graaf, M. Harrison, J. Pílníková, J. Schicho: A Lie Algebra Method for Rational Parametrization of Severi-Brauer Surfaces, Journal of Algebra, vol. 303, No. 2, 514–529, 2006
Parametrizing algebraic varieties using Lie algebras, Ph.D. thesis, RISC Linz, 2006
W. A. de Graaf, J. Pílníková, J. Schicho: Parametrizing Del Pezzo surfaces of degree 8 using Lie Algebras, submitted
J. Pílníková: Splitting a central simple algebra of degree 4 over the rational numbers, submitted

LANGUAGES

Slovak (native), English (fluent), German (intermediate), Russian (passive).