

## On a certain senary cubic form

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*The talk is based on the joint work with J. Brüdern and P. Salberger*

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We prove a strong form of the Manin-Peyre conjecture on the number of rational points of bounded height for a certain cubic fourfold. The leading constant in the asymptotic formula is derived by a graph theoretic argument, and the counting problem features multiple Dirichlet series.