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Foreword

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## FOREWORD

The 25th Winter School ‘Geometry and Physics’ took place at the usual place, the village Srní in the Czech Republic, in the period January 15 – January 22, 2005. The Winter School was organized by the Union of Czech Mathematicians and Physicists, together with the Charles University and the Masaryk University, with financial support by the International Erwin Schrödinger Institute for Mathematical Physics.

During the School, 6 invited lecture series were presented: *Some constructions with parabolic geometries* by **Andreas Cap**, *New kinds of symmetries: from number theory to physics* by **Pierre Cartier**, *Conformally invariant differential operators, Selberg zeta functions and automorphic distributions* by **Andreas Juhl**, *On (super) twistor spaces and physics* by **Rikard von Unge**, *Mixed Hodge Structures* by **Andrzej Weber** and *Minicourse on  $\ell_2$ -homology* by **Peter Zvengrowski**. In the rest of the program, many further lectures, communications, and posters were presented in two sections.

The Proceedings of this School, published traditionally in *Supplemento ai Rendiconti del Circolo Matematico di Palermo*, contain 14 contributions by the participants.

The list of all participants is included below.

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editor