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Foreword [38th Winter School ‘Geometry and Physics’]

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FOREWORD

The 38th Winter School ‘Geometry and Physics’ took place at the usual place, the village Srní in the Czech Republic, in the period January 13 – January 20, 2018. The Winter School was organized by the Union of Czech Mathematicians and Physicists, together with the Charles University and the Masaryk University.

During the School, six invited lecture series were presented: *T-duality in rational homotopy theory* by **Domenico Fiorenza**, *Compactification, boundary calculus and applications* by **Rod Gover**, *Gauge invariant PDEs, AKSZ sigma models and higher spin fields* by **Maxim Grigoriev**, *Physics of knots – from Chern-Simon theory to quivers* by **Piotr Sułkowski**, *An integer-valued Konsewitch integral – Goodwillie/Weiss approximations to the space of knots* by **Peter Teichner**, and *Singular volume problems and contact quantum mechanics* by **Andrew Waldron**. In the rest of the program, many further lectures, communications, and posters were presented in two sections.

The Proceedings of this School contain 5 contributions by the participants.

Editor: Martin Čadek