

# Aspects of higher spin theories

*Monday, 10 June 2019 14:15 (45 minutes)*

I will describe the salient features of higher spin theories as gauge theories based on infinite dimensional extension of (A)dS algebras, a la Vasiliev. The fully nonlinear equations of motion are formulated compactly on a product of spacetime with a noncommutative twistor space. I will highlight a powerful method for finding exact solutions of the theory which crucially employs the twistor space, and touch upon prospects for applications to cosmology.

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