

New Perspectives on Hyperkähler Manifolds - A Celebration of Dimitri Markushevich's (60+2)nd Birthday

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Type: **In-person Talk**

Construction of compact hyperkähler orbifolds

Thursday, 16 June 2022 11:30 (1 hour)

The hyperkähler orbifolds can be seen as one of the simplest generalization of the hyperkähler manifolds in the singular setting. The general theory can be generalized quite easily in this orbifold framework due to the existence of twistor spaces. In this talk, we will see how to construct examples of hyperkähler orbifolds. In particular, we will provide more than 30 different deformation classes of these orbifolds in dimension 4.

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