**Bernoulli Instructorship position – presentations**

**Monday, May 23, 2022 – 9h00**

Dr Leonid Monin

Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany

***Combinatorial algebraic geometry***

Abstract:

Combinatorial algebraic geometry is at the heart of the interplay between algebraic geometry and combinatorics. It includes, amongst other things, the study of toric and spherical varieties, tropical geometry, enumerative geometry, and the study of moduli spaces of curves. In my talk I will first give an introductory overview of these research areas which will be illustrated with some of my current results. I will conclude the talk with a more detailed discussion of my work on toric bundles and related topics.

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