



# Oberseminar zur Algebra und Algebraischen Kombinatorik

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## "Milnor fibers of projective lines arrangements and monodromy"

First I will recall the main objects of hyperplane arrangements theory, such as intersection lattice, Orlik-Solomon algebra, Aomoto complex and arrangements complements. I will also give an overview of some related results and open questions. Then I will focus on the Milnor fiber and give some open questions on the action of the monodromy on their cohomology groups and their decomposition into eigenspaces. I will also give more recent results which carry further developments and conjectures.

**Donnerstag, 17.05.2018**  
**ab 14:15 Uhr, a410**

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.

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