

ABSTRACT FOR THE OBERWOLFACH WORKSHOP

“Tropical aspects in Geometry, Topology and Physics” (April 26 – May 2, 2014)

The current state of tropical geometry can be characterized by a wide spread of tropical objects, techniques and ideas in various fields of mathematics and physics. For the further development of the topic it becomes vital to understand these interactions deeper and to collect ideas, approaches and problems coming from different sides which are linked to tropical geometry. This workshop will be focused on the interaction of tropical geometry with algebraic, symplectic, and combinatorial geometry, low-dimensional topology, mathematical physics, and on the exchange of ideas coming from different areas as well as search for new perspective problems and research directions.