

## **PSL<sub>2</sub>-tropical geometry**

This talk is based on project (joint with M. Shkolnikov) which generalizes the classical approach in tropical geometry. In it the algebraic torus is degenerated by its maximal compact subgroup. In this project the simplest non-commutative case of the group  $\mathrm{PSL}_2(\mathbf{C})$ , replacing the torus in the standard approach, is developed.

The basic definitions are explained, giving a geometrical interpretation. Then one main theorem is formulated. Finally, an example demonstrating the new approach is discussed briefly.