

**Title:** Minimizing the hyperbolic distance between points in domains of fixed area.

**Speaker:** Prof. Alexander Solynin, Texas Tech University.

## Abstract

We will discuss properties of the hyperbolic metric (also known as the Poincaré metric) defined on planar domains. After reviewing a few well-known results, we will present a solution to the problem on the minimal hyperbolic distance between two points in domains of a given area  $A$ .