**Abstract**

Just in recent centuries this indisputable belief, that Euclidean geometry is the absolute and invariable truth which completely justifies the physical space, came to inadequacy. Geometricians of nineteenth century demonstrated that there could be another possible form of geometry. In the following lines we concentrate on non-Euclidean geometry and basically hyperbolic geometry introducing hyperbolic distance, geodesics, hyperbolic triangles and their interesting differences with Euclidean triangles and hyperbolic area.

Key words: non-Euclidean geometry, hyperbolic geometry, geodesic.