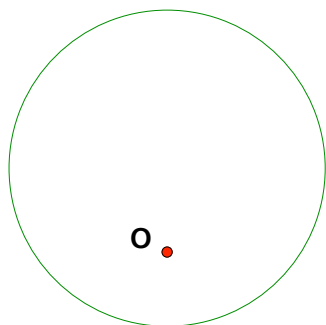
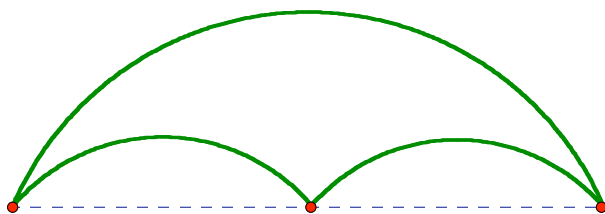


A circle in hyperbolic geometry looks like a usual circle, but the centers are at different points.

Show Measurements



It means three points in our model lie on some circle if and only if they are not collinear in euclidean geometry. So there is a triangle in the hyperbolic geometry that could not be inscribed in a circle.



Any statement in hyperbolic geometry could be translated as a statement in euclidean geometry. Therefore, if there is a contradiction in hyperbolic geometry, then it could be translated to a contradiction in euclidean geometry.