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The Poincaré half-plane model is named after Henri Poincaré, but it originated with Eugenio Beltrami, who used it, along with the Klein model and the Poincaré disk model (due to Bernhard Riemann), to show that hyperbolic geometry was equiconsistent with Euclidean geometry. This model is conformal which means...Poincaré half-plane model - Wikipedia

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This is hyperbolic geometry. You can move from one low viewpoint to another rather quickly by zooming out, sliding over, and zooming in. You have moved along a curve in the space of viewpoints that is not far from the geodesic that connects the two points, which is a portion of a semicircle. What are some practical applications of hyperbolic geometry?

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