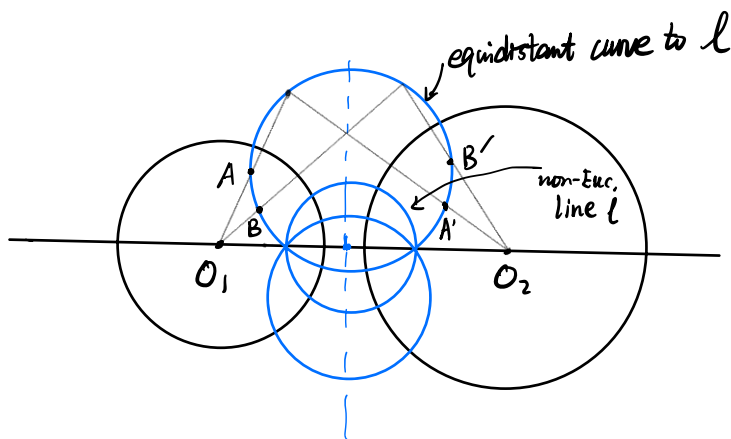
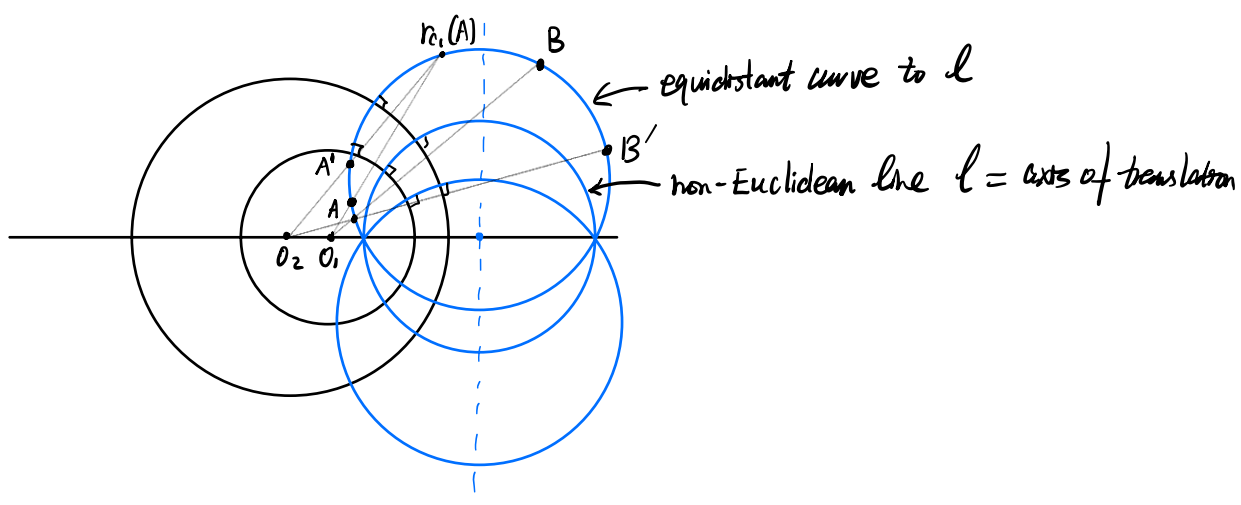
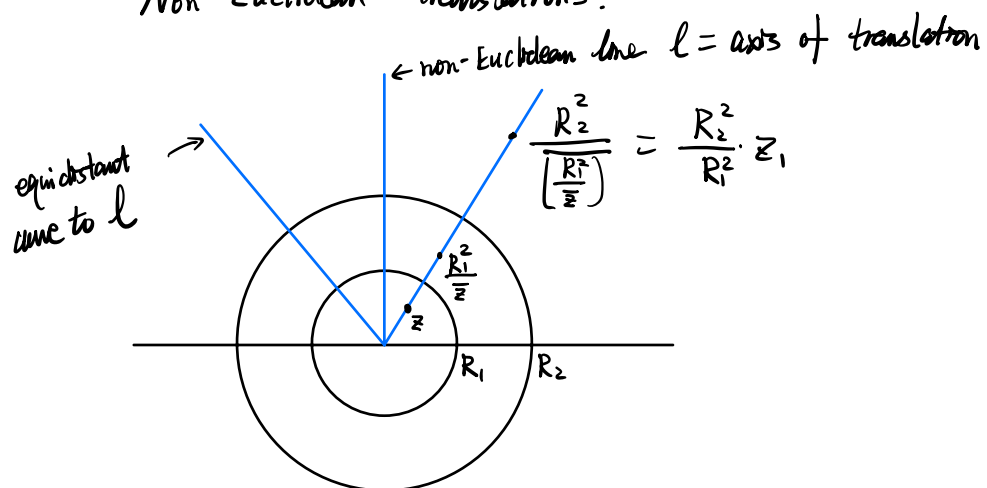
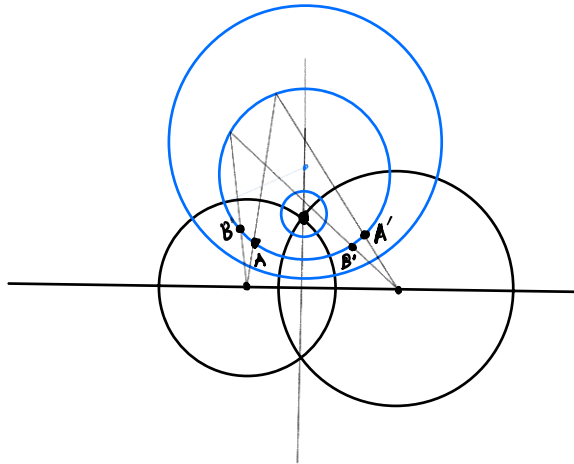


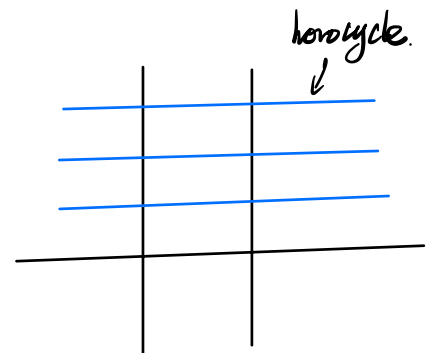
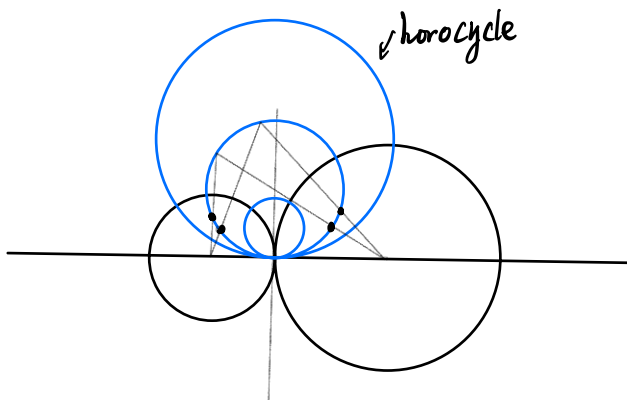
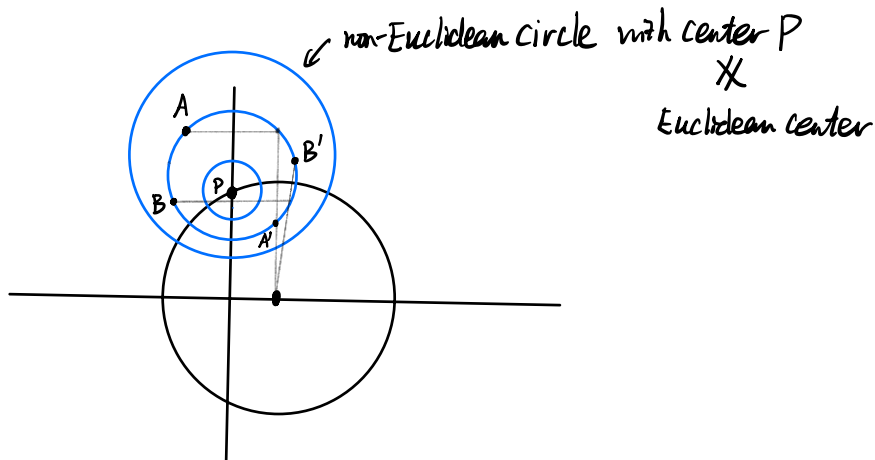
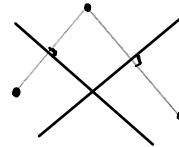
Non-Euclidean translations.



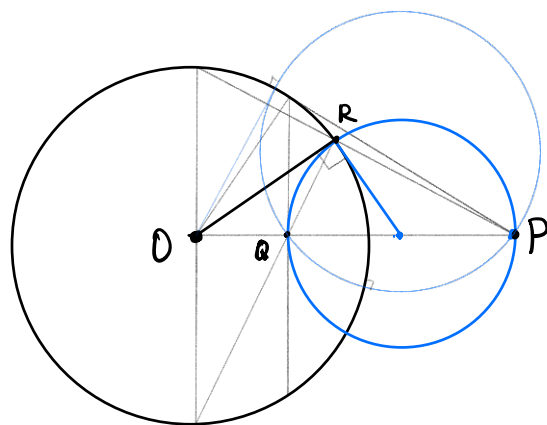
Non-Euclidean rotations



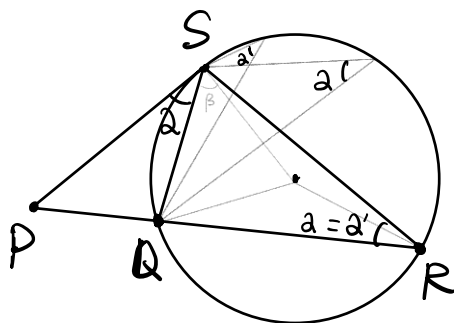
Euclidean rotation



• Reflection in circles by using Euclid Geometry:



$$|OR|^2 = |OQ| \cdot |OP|$$



$$\triangle PQS \sim \triangle PSR$$

$\Downarrow$

$$\frac{|PQ|}{|PS|} = \frac{|PS|}{|PR|}$$

$\Downarrow$

$$|PS|^2 = |PQ| \cdot |PR|$$

$$\left. \begin{array}{l} \alpha + \beta = \frac{\pi}{2} \\ 2\alpha' + 2\beta = \pi \end{array} \right\} \Rightarrow \alpha = \alpha'$$