

Consider an angle $\angle\varphi$ with vertex A at the origin.

Put the road of the length 1. We come to the triangle ABC with

$$AB = t, \quad AC = \left\{ t \cos \varphi + \sqrt{1 - t^2 \sin^2 \varphi} t \cos \varphi - \sqrt{1 - t^2 \sin^2 \varphi} \right.$$

$$AB = AC$$