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The problem of the equivalence of two curvilinear angles in conformal geometry

We will first state the problem and show that it is closely related to the problem of analytic conjugacy of germs of diffeomorphisms of $(C, 0)$ with a fixed point at the origin whose multiplier is on the unit circle and satisfying a symmetry condition. The lecture will describe the formal and analytic invariants. In the particular case of two tangent arcs (a horn) we will present the necessary and sufficient conditions for the bisection of the angle, and more generally for the section of the angle into N equal angles. We will explain the geometric significance of all these conditions by unfolding the situation.