



# STURMIAN SPIRALS IN LORENTZ-MINKOWSKI PLANE

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**Abstract.** The Sturm spirals which can be introduced as those plane curves whose curvature radius is equal to the distance from the origin are embedded in to one parameter family of curves. In this paper, we consider the spacelike and timelike Sturmian spirals in Lorentz-Minkowski plane.

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*Keywords:* Sturmian spirals, Lorentz-Minkowski plane, spacelike curve, timelike curve

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## 1. Introduction

The general theory of curves in Euclidean space (more generally in a Riemannian manifold) has been developed long time ago and we have a deep knowledge of their local and global geometries [7]. When the ambient space is a Lorentz-Minkowski