A curve whose position vector lies on the orthogonal complement of its any Frenet vector in Minkowski n-space

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ABSTRACT

In the Minkowski 3-space, it is well known that rectifying, normal and osculator curves are defined by the property that the position vector of the curve in all points always lie on the orthogonal complement of their principle normal, tangent and binormal vector fields, respectively. The aim of this paper is to give a definition of harmonic curvature functions associate with curve whose position vector lies on the orthogonal complement of its any Frenet vector in Minkowski n-space.

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