


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Some Characterizations of Rectifying Curves in the Euclidean Space E^4

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Abstract: In this paper, we define a rectifying curve in the Euclidean 4-space as a curve whose position vector always lies in orthogonal complement N^{\perp} of its principal normal vector field N . In particular, we study the rectifying curves in E^4 and characterize such curves in terms of their curvature functions.

Key Words: Rectifying curve, Frenet equations, curvature

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