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Some Characterization of Curves of Constant Breadth in E^n Space

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Abstract: In this paper, the concepts concerning the space of constant breadth were extended to E^n -space. An approximate solution of the equation system which belongs to this curve was obtained. Using this solution vectorial expression of the curves of constant breadth was obtained. The relation $\int_0^{2\pi} \widetilde{f}(s) ds = 0$ between the curvatures of curves of constant breadth in E^n was obtained. Key Words and Phrases: Curvature, Constant Breadth, Integral Characterization of Curve

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