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p-Elastica in the 3-Dimensional Lorentzian Space Forms

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Abstract: R Huang worked the p-elastic in a Riemannian manifold with constant sectional curvature [1]. In this work, we solve the Euler-Lagrange equation by quadrature and study the Frenet equation of the p-elasticity by using the Killing field in the three dimensional Lorentzian space forms

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